MEDICARE HOSPITAL MORTALITY INFORMATION

1987 • 1988 • 1989

Volume 4

Delaware
District of Columbia
Maryland
Virginia
West Virginia

Region III

U.S. Department of Health and Human Services
Health Care Financing Administration

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* * *

Volume 4

DELAWARE
DISTRICT OF COLUMBIA
MARYLAND
VIRGINIA
WEST VIRGINIA

Region III

* * *

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The Health Care Financing Administration (HCFA) was established in March 1977 to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program, and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 59 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

FOREWORD

The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, has more than 33 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. This fourth annual release of Medicare hospital mortality information is a key element in our efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to what rate would have been predicted, given what we know about the characteristics of the patients admitted?" We expect this information to be used by hospital administrators, physicians, peer review organizations, Medicare beneficiaries, State survey and certification agencies and researchers. The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"--that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital.

The basic approach to analyzing hospital mortality information has remained unchanged for the past four years; however, since the last publication of mortality information in December 1989, we have made some significant changes both in our methodology and in the way we display the results of our analysis. This publication presents information for 30, 90, and 180 days post admission, as opposed to the single point of 30 days post admission used in all the previous publications. Also, we present values for an observed mortality rate, a predicted mortality rate and a standard deviation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed and approved by a panel of outside experts. The methodology used in arriving at the observed mortality rate, the predicted mortality rate and the standard deviation are briefly described in the Technical Appendix at the end of this volume and in more detail in a Technical Information Supplement .

We acknowledge the assistance we have received from the American Hospital Association--not only for providing the information detailing selected hospital characteristics but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to thoroughly review the data and to provide us with comments and suggestions. As before, we have published the comments we received from individual hospitals, associating them with the summary data for the appropriate institution. Over the years, these communications have proved very helpful in improving and refining the information included in this publication.

Gail R. Wilensky

Gail R. Wilensky, Ph.D.
Administrator

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TECHNICAL APPENDIX A-1

INTRODUCTION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information. This year's publication presents information for Federal fiscal years (FYs) 1987, 1988 and 1989. (A Federal fiscal year is October 1 through September 30; e.g., FY 1989 covers the period October 1, 1988 through September 30, 1989.) The information for 1987 and 1988 will be different from that published previously both because it is based on a fiscal, not calendar, year, and because the methodology for this year's analysis uses a random hospital stay rather than the last stay in the year as did previous analyses.

Description of Mortality Information

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the three prior years. Only one hospitalization for every patient was used. However, in this year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay to be analyzed was selected at random. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients. The event evaluated was death at any time within 180 days of admission to the hospital. With this approach, information about the early and later results of the hospitalization are provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term impacts. The choice of 180 days allows substantial followup consistent with timely reporting of HCFA data. Additionally, the decision to report the longer followup data necessitated the change from calendar to fiscal year analysis, since it provides at least 182 days followup while allowing us to report on quite recent hospitalizations. Another benefit of using a fiscal rather than a calendar year for analysis is that our files are maintained on a fiscal year basis and new Medicare rules are often instituted on a fiscal year basis.

For each hospital, information is presented for overall Medicare patient mortality and for each of 17 specific diagnostic or medical procedure categories. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate. A rule of thumb for using the SD to assess a hospital's performance appears later in this Introduction, and a more precise formula for the use of the SD is included in the Technical Appendix.

As we did in previous years' publications, we are including selected information about each hospital, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1989 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey Certification and Reporting System (OSCAR) file. These hospital characteristics are found at the bottom of each hospital's first summary data page. A more detailed description of the hospital characteristics appears later in this Introduction. It is important to note that these characteristics are provided for information only. They were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates. In the publication, we have arranged the States by HCFA regions. A hospital's summary data pages and any comments received are arranged alphabetically by hospital name in each State section. A complete listing of States by region and volume can be found in Table 1.

Before reviewing a hospital summary table, it would be helpful to describe how the numbers were derived and what they mean.

> **Number of Cases.** This figure is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases selected for each hospital is presented under the category "All Causes." The eight condition and nine procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight condition categories, that same patient may also appear in one or more of the nine categories defined by a surgical procedure. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight condition categories. The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories cover less than half of all the hospitalized patients. (ICD-9-CM codes included in each condition and procedure category appear in Table 2.). These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; **they do not necessarily represent the cause of death.** HCFA does not have access to cause of death information.
>
> **Observed Mortality Rate (OBS).** This number is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90 or 180 days of the selected admission to the hospital. The percentage is rounded to the nearest one-tenth of a percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90 or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent. It is important to note than the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission. The observed mortality rate represents the percentage of beneficiaries in

a particular category who died during the selected time interval. As noted above, it does **not** represent the percentage whose death was caused by the particular condition or procedure.

Predicted Mortality Rate (PRED). This column gives a predicted mortality rate for patients included in the analysis for each hospital. The rate is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: principal diagnosis (grouped into 17 analytical risk categories), age, sex, previous hospital admissions within the prior six months, admission source (e.g., physician reference, skilled nursing facility reference), admission type (e.g., elective or emergency), and the presence of up to four comorbid conditions--cancer, chronic cardiovascular disease, chronic renal disease, and chronic liver disease. For additional details on the development of the rates, see the Technical Appendix at the end of this volume. For a list of the ICD-9-CM codes defining the comorbid conditions see Table 3. Two additional adjustments for patient risks were carried out. First, account was taken of the effect of the specific reason for admission--the principal diagnosis within each analytic category--on the probability of patient death. Second, the additional information carried by the grouping of patients into clinically informative categories was also used. This last adjustment proved particularly important in the case of the surgical categories, because the performance of a surgical procedure has substantial implications about the severity of illness.

Standard Deviation (SD). The standard deviation is a guide to how meaningful the difference between the observed and predicted mortality rate is. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience.

As a rule of thumb, if the difference is 1.2 times the SD, chances are 3 out of 4 that the difference is due to statistical variability observed nationally. If the difference is greater than 1.6 times the SD, there is only 1 chance in 10 that the difference is due to statistical variability; if the difference is more than 2.0 times the SD, there is only 1 chance in 20 that the difference is due to statistical variablity; and if the difference is more than 2.6 times the SD, there is only 1 chance in 100 that the difference can be attributed to statistical variablity rather than actual variation from what would be expected. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for concern may exist about the institution's performance. Further information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED are included in the Technical Appendix at the end of this volume. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, an asterisk (*) is placed in the SD column.

Information Sources and Notes

This publication is based primarily on Medicare hospital billing information for fiscal years 1987, 1988 and 1989. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1990 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year) 98 percent of all Medicare discharges in FY 1989 are included in the file.

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results for national estimates. It may, however, substantially affect an individual hospital if it was the source of the suspect information.

Nevertheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is reviewed.

> The information used is billing data and is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.
>
> The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities; all have a zero in the third position of their Medicare provider number. All other hospitals--those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions--were automatically excluded from the analysis. This year, as last, we also excluded hospices from the publication.
>
> In some cases, we have included data for hospitals which closed, changed ownership, or changed management either during or subsequent to FY 1989. Nevertheless, data which are included for those institutions reflect the situation as it existed at the time the hospitalizations analyzed occurred.
>
> There is some information in the MEDPAR file which does not reflect immediately the results of review by the Peer Review Organizations (PROs). For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that, in some instances, PRO changes in diagnosis assignment may not be

submitted and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, this type of change could have an effect on the calculation of mortality rates in individual categories and may also have a bearing on comorbidities.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted. It is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this publication may not be a direct measure of the quality of care rendered in the hospitals. One reason for this is that we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex and several other factors. This might happen because one hospital's stroke patients consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population represents a broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that this information is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including hospital administrators, physicians, and researchers. Among these audiences, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. For example, we know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are trying to determine what useful information can be derived about their hospitals and how they function. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed.

We believe that when this information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post-admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care and is best used to view experience in individual hospitals rather than for making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because of its patient mix. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We offered each hospital the opportunity to comment on the information contained in this volume, and we included in this publication those comments which were received by January 15, 1991. Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. More specifically, in June 1990 we presented the major changes--use of fiscal year data, use of random rather than last admission for analysis, use of the standard deviation rather than ranges, presentation of mortality rates at three time intervals--to these experts. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rate significantly exceeds the rate that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information publications. Many suggestions from these sources have been incorporated into this publication.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies very rarely impacted on a hospital's overall mortality rate. Most of these instances fell into the following three broad categories.

> **Inaccurate Date of Death.** We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was "expired" when the patient had, in fact, left the hospital alive) created many of these errors. We have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.
>
> **Data Posting Delays.** In some instances, delays in posting data to the MEDPAR file created difficulties in prior years' analyses. However, because of the use of a fiscal, rather than calendar, year and of a random, rather than last, admission for analysis, this problem has largely been eliminated.
>
> **Discrepant Case Counts.** Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this publication.

On December 6, 1990, we mailed mortality information to each hospital on its Medicare patients and asked for comments by January 15, 1991. Each hospital received the summary data information (as published here), as well as a list of all Medicare patients whose stay in that hospital in FY 1989 was selected for the analysis. The comments we received are generally reproduced as submitted by the hospital. However, in instances where hospitals returned an annotated copy of the HCFA information sent on December 6, we did not publish that annotated material, even in cases where these were the only comments submitted by the hospital. We took this action because of patient privacy concerns and/or because it would have duplicated information already provided on the hospital's summary data sheet. However, we have published a standard statement to identify instances where we received this type of response. Additionally, in cases where the hospital's response exceeded the two-page limit, which was specified in our communication of December 6, we have published only the first two pages of the material received. No attempt has been made to edit or condense the response provided by the hospital.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner in order to allow every opportunity for review and comment. Even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances are few in number.

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. These particular characteristics and services were selected as those of most interest to Medicare beneficiaries. (Thus, for example, we do not include information on specialty services such as Neonatal Intensive Care Units.) This information was obtained from the AHA 1989 Annual Survey of Hospitals. Where hospitals did not provide information to AHA on a particular item, it has been listed as not available. This file consists of information voluntarily reported by hospitals to the AHA. In instances where the AHA records contained no information about a hospital included in the analysis, we have presented the most recent information from HCFA's OSCAR file.

Following are the AHA's definitions of each characteristic found on the hospital's summary page containing the FY 1989 summary data information.

SURVEY AND YEAR: AHA 1989 Source = American Hospital Association 1989 Annual Survey of Hospital Files

Total beds (#): Number of beds (including sub-acute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

Occupancy rate (percent): Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

Ownership/control: State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

STAFFING (as of 09/30/88):

Total number of physicians: Total active and associate medical staff.

Percent of physicians who are board-certified specialists: Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

AHA DEFINED SPECIALTY SERVICES:

Burn unit: Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

Cardiac intensive care: Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

Comprehensive Geriatric Assessment: Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. Includes the assessment of medical conditions, functional activities and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

Hospice care: A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

Medical/surgical intensive care: Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not provided in a distinct cardiac care unit.

Organ transplant service equipment: The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.

Other intensive care: Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric and/or psychiatric care on the basis of physicians' orders and approved nursing plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

Rehabilitation unit: Unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

Trauma center: Provides emergency and specialized intensive care to critically injured patients.

NOTE: Inquiries regarding the AHA data or requests for additional AHA data must be directed to the Director of the American Hospital Association's Hospital Data Center at (312) 280-6000.

Following are HCFA's Online Survey Certification and Reporting System (OSCAR) definitions of some characteristics found on the hospital's summary page containing the 1986, 1987, and 1988 mortality rates and ranges.

SURVEY AND YEAR: OSCAR 19___

Total beds (#): Total number of operational beds eligible for Medicare payment.

Ownership/control: Church; private; Federal, State, local government, or hospital district or authority; proprietary.

STAFFING:

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

OSCAR DEFINED SPECIALTY SERVICES:

There are no specific definitions of specialty services in OSCAR. These characteristics are self-reported by each hospital at initial certification and recertification. However, they are generally understood to parallel the explicit AHA definitions.

Table 1

STATES BY REGION AND VOLUME

REGION		VOLUME	STATE
I	Boston	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
II	New York	2	New Jersey, Puerto Rico, Virgin Islands
		3	New York
III	Philadelphia	4	Delaware, District of Columbia, Maryland, Virginia, West Virginia
		5	Pennsylvania
IV	Atlanta	6	Alabama, Georgia
		7	Florida
		8	Kentucky, Mississippi, South Carolina
		9	North Carolina, Tennessee
V	Chicago	10	Illinois
		11	Indiana, Michigan
		12	Minnesota, Wisconsin
		13	Ohio

VI	Dallas	14	Arkansas, Oklahoma
		15	Louisiana, New Mexico
		16	Texas (A - L)
		17	Texas (M - Z)
VII	Kansas City	18	Iowa, Kansas
		19	Missouri, Nebraska
VIII	Denver	20	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
IX	San Francisco	21	American Samoa/Guam, Arizona, Hawaii, Nevada
		22	California (A - L)
		23	California (M - Z)
X	Seattle	24	Alaska, Idaho, Oregon, Washington

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Table 2

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation:

CONDITION/PROCEDURE	ICD-9-CM CODES (D) = DIAGNOSTIC CODE (P) = PROCEDURE CODE
Heart Disorders/Procedures:	
Acute Myocardial Infarction	410 (D) (exclude 410 with 5th digit of 2 after 10/1/89)
Congestive Heart Failure	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty	36.0 excluding 36.00, 36.03, 36.04, 36.09 (all P)
Coronary Artery Bypass Graft	36.1 (P)
Pacemaker Insertion, Initial	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70—37.73) (all P)
Pulmonary Disorders:	
Pneumonia/Influenza	480-481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary Disease	491-492; 494; 496; and 466.0, 518.5, 518.82, and 786.09 when there is a secondary diagnosis of any 496 (all D)
Cerebrovascular Disorders/Procedures:	
Transient Cerebral Ischemia	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy, 38.12 (P) at the time of admission
Stroke	431, 434-434.9, 436 (all D)
Carotid Endarterectomy	38.12 (P) with 433.1 (D), 433.3 (D), or 435 (D) as principal diagnosis

Musculoskeletal Disorders/Procedures:

Fracture of Neck of Femur	820 (D)
Hip Replacement/Revision	81.5, 81.6 (exclude 81.69) (81.51—81.53 after 10/1/89) (all P)
Open Reduction of Fractured Femur	79.35 (P) on condition of 820 (D) as principal diagnosis

Genitourinary Procedures:

Prostatectomy	60.2, 60.3-60.69 (all P)
Hysterectomy	68.3-68.7 (P)

Gastrointestinal Procedures:

Cholecystectomy	51.22 (P)

Sepsis:

Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038, 054.5 (all D)

Table 3

COMORBIDITY CONDITIONS

(all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587
Chronic cardiovascular disease	412-414.9, 426-429.1

Delaware

BEEBE MEDICAL CENTER

424 Savannah Rd
Lewes, DE 19958

Medicare Provider Number: 080007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,590	8.4	10.3	1.0	12.7	15.2	1.3	16.4	19.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	62	24.2	25.7	5.7	27.4	29.1	5.9	30.6	32.6	6.2
Congestive Heart Failure	96	7.3	14.4	5.3	13.5	22.1	6.2	17.7	28.8	7.3
Pneumonia/Influenza	52	15.4	14.9	5.3	25.0	20.1	8.6	26.9	24.4	9.5
Chronic Obstructive Pulmonary Disease	41	2.4	9.6	*	7.3	16.6	*	14.6	22.6	*
Transient Cerebral Ischemia	20	0.0	2.1	*	5.0	4.6	*	5.0	7.2	*
Stroke	63	22.2	21.5	5.8	27.0	27.5	7.3	27.0	31.9	8.2
Hip Fracture	33	3.0	5.7	*	3.0	10.6	*	12.1	14.0	*
Sepsis	22	13.6	25.8	*	13.6	36.8	*	22.7	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	11.5	*	0.0	14.9	*	0.0	17.5	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	28	3.6	3.6	*	3.6	7.0	*	14.3	9.6	*
Open Reduction of Hip Fracture	11	0.0	5.6	*	0.0	10.3	*	0.0	13.3	*
Prostatectomy	47	0.0	0.9	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	35	0.0	2.8	*	0.0	5.0	*	0.0	6.6	*
Hysterectomy	8	0.0	2.2	*	0.0	4.4	*	0.0	6.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	138
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	58
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	0
Registered Nurses	116
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BEEBE MEDICAL CENTER

Medicare Provider Number: 080007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,468	7.3	9.7	1.0	11.6	14.2	1.2	14.8	17.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	68	19.1	26.6	8.2	23.5	30.4	8.4	25.0	34.1	9.1
Congestive Heart Failure	75	13.3	16.9	5.6	22.7	25.4	5.6	30.7	32.5	5.8
Pneumonia/Influenza	40	12.5	16.8	*	12.5	22.1	*	12.5	26.4	*
Chronic Obstructive Pulmonary Disease	31	0.0	9.4	*	6.5	15.2	*	12.9	20.5	*
Transient Cerebral Ischemia	25	0.0	2.3	*	4.0	5.2	*	4.0	8.4	*
Stroke	59	13.6	18.5	7.1	16.9	24.7	10.2	20.3	29.0	11.2
Hip Fracture	36	5.6	6.3	*	11.1	11.8	*	13.9	15.4	*
Sepsis	25	16.0	23.3	*	32.0	29.7	*	32.0	35.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	7.7	*	16.7	10.1	*	16.7	12.3	*
Carotid Endarterectomy	1	100.0	1.5	*	100.0	3.2	*	100.0	4.8	*
Hip Replacement/Reconstruction	22	4.5	2.5	*	4.5	5.1	*	4.5	7.0	*
Open Reduction of Hip Fracture	24	4.2	5.9	*	12.5	11.4	*	16.7	15.1	*
Prostatectomy	37	2.7	1.1	*	5.4	2.8	*	8.1	4.6	*
Cholecystectomy	35	2.9	3.2	*	2.9	5.4	*	2.9	6.8	*
Hysterectomy	13	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,376	8.1	10.9	1.1	12.3	15.6	1.3	15.8	19.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	80	23.7	27.0	6.0	27.5	31.2	6.5	32.5	34.9	6.4
Congestive Heart Failure	80	16.2	20.2	6.2	25.0	29.6	6.7	32.5	37.0	9.0
Pneumonia/Influenza	36	5.6	17.9	*	5.6	24.4	*	13.9	29.5	*
Chronic Obstructive Pulmonary Disease	45	2.2	10.7	*	4.4	17.2	*	6.7	22.2	*
Transient Cerebral Ischemia	21	0.0	2.1	*	0.0	4.5	*	0.0	7.1	*
Stroke	62	8.1	17.8	6.8	12.9	25.0	7.3	16.1	29.4	7.7
Hip Fracture	18	0.0	4.6	*	0.0	8.4	*	0.0	11.3	*
Sepsis	19	31.6	30.5	*	31.6	38.5	*	31.6	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.9	*	9.1	8.2	*	9.1	12.4	*
Carotid Endarterectomy	4	25.0	1.0	*	25.0	1.8	*	25.0	2.5	*
Hip Replacement/Reconstruction	13	0.0	2.0	*	0.0	4.2	*	0.0	6.0	*
Open Reduction of Hip Fracture	13	0.0	4.1	*	0.0	7.7	*	0.0	10.3	*
Prostatectomy	37	2.7	0.9	*	2.7	2.3	*	5.4	4.0	*
Cholecystectomy	34	2.9	3.6	*	8.8	6.7	*	8.8	8.7	*
Hysterectomy	5	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BEEBE
MEDICAL
CENTER

January 15, 1991

Gail R. Wilensky, PhD,
Administrator,
Department of Health & Human Services,
Health Care Financing Administration,
6325 Security Boulevard,
Baltimore, MD. 21207

RE: Medicare Mortality Data For Beebe Medical Center, Inc., Delaware
Medicare Provider #08007

Dear Dr. Wilensky,

We appreciate the opportunity to respond to the release of data on Medicare mortality rates at our hospital during 1989. We are pleased to see that the methodology on determining projected mortality rates has taken into consideration patient characteristics.

We have validated the accuracy of your information with the exception of post discharge statistics. We have not attempted to contact families or physicians in order to confirm this data .

All mortality records of patients who expire at Beebe Medical Center are reviewed regularly by the appropriate committees who analyze in detail our mortality review requirements. These include the patient's condition on admission and an assessment of the completeness of diagnoses, therapeutic and supportive measures taken including consultations and surgical or special procedures. Also studied are other specifics such as complications and comorbidities and autopsy results. These reviews, however exclude death of patients after discharge as the hospital has no systematic access to this information.

Beebe Medical Center's actual mortality rate for each of HCFA's seventeen patient categories fell within the predicted range for 30 days and 90 days. Our actual mortality rates for 180 days are also within the predicted ranges except for Hip Replacement/Reconstruction, for which Beebe has exceeded the predicted 180 day range. We have reviewed our data on the 28 patients who had hip replacement/reconstruction, of which three died post-discharge within 180 days one died in-house as a result of comorbidities and complications. Their average age was 84.5 years, and three of the four had comorbid conditions as illustrated on the following page.

424 Savannah Road • P.O. Box 226 • Lewes • Delaware 19958 302•645•3300

HIP REPLACEMENT/RECONSTRUCTION MORTALITIES (180 DAY RANGE)

Name	SS#	Sex	Age	D/C date	Expiration	Comorbidities
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	Chronic Congestive Heart Failure Hypertension Cardiomyopathy Dehydration
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	Urinary Tract Infection Sepsis Bacteremia
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	History of Cancer of larynx Hypoglycemia
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	None

For the three patients who died post-discharge, we believe that the extreme ages and comorbid conditions were either contributing factors or perhaps the primary cause of death.

Beebe Medical Center is a rural hospital, and while we do not have some of the speciality units (ie: Burn) we respond to these needs and after stabilizing patients, transfer them to appropriate medical centers. We are also in close proximity to two long-term care facilities and a hospice for the terminally ill, and provide service to their patients/residents.

Beebe Medical Center has served the people of Sussex County since 1916, and providing high quality medical and nursing care has always been our most important job to which we are committed now and in the future.

Thank you for the opportunity to present this response.

James A. Ball
President

J. H. Beebe, M.D.

KENT GENERAL HOSPITAL INC

640 S State Street
Dover, DE 19901

Medicare Provider Number: 080004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,815	11.7	10.2	1.5	16.1	15.1	1.5	19.8	19.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	58	32.8	25.7	10.0	34.5	28.7	10.8	34.5	31.9	11.0
Congestive Heart Failure	87	14.9	16.2	4.7	21.8	24.7	5.6	32.2	31.5	5.3
Pneumonia/Influenza	77	19.5	15.5	8.5	29.9	20.9	10.3	33.8	25.1	11.0
Chronic Obstructive Pulmonary Disease	15	13.3	6.7	*	20.0	11.6	*	20.0	15.9	*
Transient Cerebral Ischemia	32	6.3	1.8	*	9.4	4.1	*	12.5	6.6	*
Stroke	78	20.5	20.4	4.6	26.9	26.5	5.2	32.1	30.9	5.4
Hip Fracture	41	2.4	6.7	*	7.3	11.7	*	14.6	15.0	*
Sepsis	48	33.3	25.4	*	45.8	33.6	*	52.1	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	27.3	10.2	*	31.8	16.0	*	36.4	19.7	*
Carotid Endarterectomy	10	0.0	1.5	*	0.0	2.9	*	0.0	4.4	*
Hip Replacement/Reconstruction	34	2.9	3.9	*	5.9	7.2	*	8.8	9.6	*
Open Reduction of Hip Fracture	18	5.6	6.4	*	11.1	11.2	*	16.7	14.3	*
Prostatectomy	74	1.4	1.1	2.4	4.1	2.5	2.8	5.4	4.1	3.3
Cholecystectomy	21	4.8	3.6	*	4.8	6.2	*	4.8	7.8	*
Hysterectomy	13	0.0	2.3	*	0.0	4.4	*	7.7	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	183
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	88
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	312
Licensed Practical Nurses	80

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

KENT GENERAL HOSPITAL INC

Medicare Provider Number: 080004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,820	11.1	10.6	0.9	16.3	15.8	1.0	20.4	19.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	66	31.8	27.5	7.0	36.4	30.5	7.7	37.9	33.9	7.8
Congestive Heart Failure	65	20.0	16.6	7.9	30.8	25.2	7.8	35.4	32.2	7.4
Pneumonia/Influenza	76	30.3	18.9	7.0	35.5	25.4	7.3	43.4	30.3	8.0
Chronic Obstructive Pulmonary Disease	18	11.1	8.4	*	11.1	14.1	*	11.1	19.3	*
Transient Cerebral Ischemia	42	2.4	2.1	*	4.8	4.5	*	9.5	7.1	*
Stroke	74	20.3	19.9	4.8	28.4	27.0	5.6	32.4	31.6	5.6
Hip Fracture	46	6.5	6.4	*	10.9	11.7	*	13.0	15.0	*
Sepsis	37	18.9	25.9	*	21.6	34.0	*	27.0	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	21.9	11.7	*	28.1	16.1	*	37.5	20.0	*
Carotid Endarterectomy	11	9.1	1.2	*	9.1	2.3	*	9.1	3.4	*
Hip Replacement/Reconstruction	29	0.0	4.0	*	10.3	7.6	*	10.3	10.0	*
Open Reduction of Hip Fracture	26	7.7	4.9	*	11.5	9.3	*	15.4	12.3	*
Prostatectomy	109	0.0	1.3	1.6	3.7	3.2	1.9	5.5	5.2	2.3
Cholecystectomy	23	0.0	2.7	*	0.0	4.7	*	0.0	6.2	*
Hysterectomy	6	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,684	11.0	10.4	0.8	17.2	15.3	1.1	21.1	19.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	69	39.1	32.5	7.9	44.9	35.8	9.3	47.8	39.3	9.0
Congestive Heart Failure	66	22.7	17.0	6.6	30.3	25.5	6.1	34.8	32.3	5.9
Pneumonia/Influenza	89	18.0	17.2	4.1	28.1	22.9	6.1	32.6	27.5	6.6
Chronic Obstructive Pulmonary Disease	17	17.6	12.2	*	23.5	18.9	*	23.5	24.3	*
Transient Cerebral Ischemia	39	0.0	2.2	*	0.0	5.0	*	5.1	7.9	*
Stroke	60	16.7	21.2	7.1	25.0	28.2	9.3	25.0	32.5	11.0
Hip Fracture	63	9.5	7.4	4.4	15.9	13.2	5.5	19.0	17.0	5.2
Sepsis	29	27.6	32.2	*	58.6	39.3	*	62.1	45.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	4.6	*	4.8	8.2	*	4.8	11.1	*
Carotid Endarterectomy	11	0.0	2.2	*	0.0	4.6	*	0.0	6.9	*
Hip Replacement/Reconstruction	23	4.3	3.6	*	4.3	6.5	*	4.3	8.6	*
Open Reduction of Hip Fracture	35	11.4	5.8	*	22.9	11.1	*	25.7	14.7	*
Prostatectomy	98	1.0	1.6	1.7	6.1	3.6	2.8	6.1	5.7	3.5
Cholecystectomy	30	0.0	6.0	*	13.3	10.3	*	13.3	13.2	*
Hysterectomy	9	0.0	0.8	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEDICAL CENTER OF DELAWARE

P O Box 1668
Wilmington, DE 19899

Medicare Provider Number: 080001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,193	8.7	9.1	0.4	14.2	14.0	0.5	18.3	17.9	0.5
CONDITIONS:										
Acute Myocardial Infarction	271	18.1	23.4	3.8	22.9	26.6	3.5	26.9	30.0	3.2
Congestive Heart Failure	283	14.1	14.2	2.1	21.6	22.1	2.5	29.3	28.7	2.7
Pneumonia/Influenza	216	13.9	15.5	2.8	21.3	21.3	2.8	26.4	25.8	3.1
Chronic Obstructive Pulmonary Disease	67	7.5	7.8	3.4	14.9	13.6	4.4	23.9	18.6	6.6
Transient Cerebral Ischemia	68	0.0	1.6	2.1	0.0	3.4	3.6	4.4	5.4	3.2
Stroke	232	25.4	20.8	4.3	33.6	27.4	5.6	37.5	31.8	5.4
Hip Fracture	147	5.4	6.3	2.1	10.2	11.3	3.0	12.9	14.7	4.1
Sepsis	95	22.1	26.2	6.4	34.7	35.7	5.1	38.9	42.2	6.6
PROCEDURES:										
Angioplasty	69	1.4	3.3	2.3	4.3	4.4	2.5	8.7	5.6	3.3
Coronary Artery Bypass Graft	165	4.2	6.7	2.9	8.5	9.7	2.8	10.3	11.5	3.0
Initial Pacemaker Insertion	38	7.9	5.5	*	7.9	9.5	*	13.2	12.9	*
Carotid Endarterectomy	46	0.0	1.3	*	0.0	2.3	*	4.3	3.3	*
Hip Replacement/Reconstruction	85	2.4	3.1	2.2	5.9	5.9	2.7	9.4	7.8	3.8
Open Reduction of Hip Fracture	73	5.5	5.5	3.2	8.2	10.5	4.7	9.6	13.8	5.7
Prostatectomy	149	0.7	0.8	0.7	2.0	1.9	1.2	2.0	3.3	1.8
Cholecystectomy	121	4.1	2.7	1.9	5.8	5.0	2.8	7.4	6.5	3.5
Hysterectomy	58	0.0	0.9	*	0.0	1.8	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	938
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	914
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	156
Registered Nurses	1,353
Licensed Practical Nurses	192

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MEDICAL CENTER OF DELAWARE

Medicare Provider Number: 080001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,298	9.3	9.4	0.4	14.7	14.4	0.5	18.8	18.3	0.6
CONDITIONS:										
Acute Myocardial Infarction	251	25.9	27.6	3.0	31.1	31.2	2.9	35.1	35.1	3.1
Congestive Heart Failure	266	18.8	15.8	3.2	30.1	24.1	4.7	36.5	30.9	4.7
Pneumonia/Influenza	180	17.8	17.4	3.1	25.0	23.7	3.2	31.7	28.5	4.0
Chronic Obstructive Pulmonary Disease	82	13.4	9.5	4.0	24.4	16.0	5.9	32.9	21.1	7.6
Transient Cerebral Ischemia	58	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Stroke	244	17.6	22.3	3.4	28.3	29.0	3.4	30.7	33.6	3.5
Hip Fracture	152	5.9	7.1	3.2	13.2	12.7	2.8	15.8	16.1	3.0
Sepsis	65	30.8	28.9	7.5	40.0	37.5	8.0	46.2	43.9	8.3
PROCEDURES:										
Angioplasty	41	0.0	2.8	*	0.0	3.8	*	0.0	4.8	*
Coronary Artery Bypass Graft	169	3.6	7.0	2.8	7.7	9.2	2.6	8.9	10.6	2.6
Initial Pacemaker Insertion	45	4.4	7.2	*	13.3	11.8	*	20.0	15.4	*
Carotid Endarterectomy	38	0.0	1.6	*	2.6	3.0	*	2.6	4.4	*
Hip Replacement/Reconstruction	95	3.2	3.4	3.4	7.4	6.5	3.5	8.4	8.6	3.7
Open Reduction of Hip Fracture	81	6.2	6.0	3.6	11.1	11.1	3.5	12.3	14.5	5.1
Prostatectomy	171	0.0	0.8	0.9	0.6	1.9	1.5	0.6	3.0	2.2
Cholecystectomy	121	6.6	2.8	2.8	9.1	5.1	3.2	9.1	6.8	3.2
Hysterectomy	63	1.6	1.1	1.4	1.6	2.4	2.0	3.2	3.7	2.6

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,230	9.4	9.7	0.4	15.1	14.9	0.6	19.4	18.9	0.5
CONDITIONS:										
Acute Myocardial Infarction	244	25.8	28.9	3.4	30.7	32.4	3.2	33.2	36.0	3.6
Congestive Heart Failure	289	17.3	17.2	2.3	26.6	25.6	3.1	35.3	32.5	4.8
Pneumonia/Influenza	175	15.4	16.4	3.1	21.7	22.0	4.7	25.1	26.5	4.1
Chronic Obstructive Pulmonary Disease	68	8.8	10.8	4.0	14.7	18.0	6.2	20.6	23.4	7.0
Transient Cerebral Ischemia	64	4.7	1.5	2.0	7.8	3.3	3.2	14.1	5.1	4.6
Stroke	225	16.9	23.0	3.7	24.4	29.7	4.0	31.1	34.2	3.4
Hip Fracture	130	6.2	6.2	2.2	13.8	11.3	3.1	18.5	14.8	4.1
Sepsis	55	40.0	28.6	8.5	47.3	37.2	7.8	49.1	43.6	7.1
PROCEDURES:										
Angioplasty	10	0.0	3.1	*	10.0	3.9	*	10.0	5.1	*
Coronary Artery Bypass Graft	138	4.3	7.0	3.3	9.4	9.5	3.0	9.4	11.1	3.0
Initial Pacemaker Insertion	61	4.9	4.3	2.9	9.8	7.6	5.5	13.1	10.5	7.1
Carotid Endarterectomy	23	0.0	1.3	*	4.3	2.4	*	4.3	3.4	*
Hip Replacement/Reconstruction	95	3.2	4.0	2.6	7.4	7.1	4.2	10.5	9.2	4.4
Open Reduction of Hip Fracture	65	6.2	5.7	2.9	15.4	10.9	5.0	18.5	14.6	6.4
Prostatectomy	166	1.2	0.7	0.8	2.4	1.8	1.3	2.4	3.0	1.6
Cholecystectomy	119	2.5	3.2	1.7	4.2	5.6	2.7	7.6	7.2	2.5
Hysterectomy	55	1.8	0.7	1.7	1.8	1.6	1.8	1.8	2.6	2.3

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

7.1

MEDICAL CENTER OF DELAWARE

501 West 14th Street
P.O. Box 1668
Wilmington, Delaware
19899

302 733-1000

Provider Number 080001

January 11, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for sending our 1989 Medicare Hospital Mortality Data. This information is carefully reviewed and is utilized by the Medical Center of Delaware in its activities to assure that its patients receive the highest possible quality of clinical care. Analysis of this retrospective data and a thorough concurrent review of each death that occurs in the hospital are important components of our ongoing comprehensive Quality Improvement Program.

We are pleased to note that, as in years past, our observed mortality fell well within the statistically expected range for all types of illness evaluated and continues to demonstrate a high quality of patient care. This is particularly gratifying to us because of the high intensity of the illnesses which our patients present. As a regional, tertiary referral center, the Medical Center of Delaware cares for the most seriously ill and severely injured patients.

The inclusion of deaths occurring within 90 to 180 days of admission in this year's report is of questionable value and cannot reasonably be used to judge the quality of hospital care. Death three to six months after admission is so remote from the hospitalization that it usually bears no relationship to that hospitalization. Long term mortality raises the possibility that factors outside the hospital may have contributed to the individual's death.

Although methodologies continue to improve, it is still difficult to make adequate adjustment for the severity of illness in any given patient. Therefore, as in past years, any interpretation of those data must be made with this limitation in mind. In using the HCFA data one must realize that mortality information is not a simple index of performance.

We would also like you to make the corrections noted below to our Hospital Characteristics. We have advised the American Hospital Association to do the same.

Hospital Characteristics 1989

Medical Residents/Interns..........166
Specialty Services:
    Other Intensive Care..........YES
    Rehabilitation Unit...........YES

Sincerely,

Allen L. Johnson
President and Chief Executive Officer

MILFORD MEMORIAL HOSPITAL INC

Clarke Avenue
Milford, DE 19963

Medicare Provider Number: 080002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,391	9.1	8.6	0.8	13.9	13.1	1.1	16.8	16.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	48	29.2	29.1	*	31.3	32.3	*	31.3	35.8	*
Congestive Heart Failure	91	18.7	15.4	5.5	26.4	23.2	5.2	31.9	30.2	5.2
Pneumonia/Influenza	65	9.2	15.2	6.3	10.8	20.8	8.1	13.8	25.2	9.3
Chronic Obstructive Pulmonary Disease	27	3.7	5.2	*	3.7	9.4	*	14.8	13.3	*
Transient Cerebral Ischemia	49	0.0	1.7	*	0.0	3.7	*	2.0	6.0	*
Stroke	38	23.7	17.2	*	39.5	23.6	*	42.1	27.7	*
Hip Fracture	21	4.8	7.3	*	19.0	12.8	*	28.6	16.5	*
Sepsis	21	19.0	20.3	*	23.8	27.0	*	23.8	32.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	1.5	*	0.0	3.1	*	0.0	5.0	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	25	8.0	2.4	*	12.0	4.6	*	20.0	6.4	*
Open Reduction of Hip Fracture	12	8.3	6.9	*	33.3	12.5	*	33.3	16.0	*
Prostatectomy	52	1.9	0.7	1.7	1.9	1.7	1.9	3.8	2.9	2.5
Cholecystectomy	36	0.0	2.3	*	5.6	4.1	*	5.6	5.3	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	139
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	63
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	157
Licensed Practical Nurses	39

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MILFORD MEMORIAL HOSPITAL INC

Medicare Provider Number: 080002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,436	8.2	8.8	0.9	13.5	13.4	1.2	16.6	17.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	68	26.5	26.3	5.4	32.4	29.6	6.2	33.8	33.1	5.8
Congestive Heart Failure	80	15.0	16.3	4.4	23.7	24.2	4.8	28.7	31.0	6.7
Pneumonia/Influenza	51	11.8	14.6	5.4	25.5	19.5	6.3	31.4	23.5	7.4
Chronic Obstructive Pulmonary Disease	22	4.5	6.5	*	9.1	11.6	*	18.2	16.2	*
Transient Cerebral Ischemia	42	0.0	1.9	*	7.1	4.3	*	7.1	6.9	*
Stroke	63	11.1	19.4	8.5	22.2	26.7	7.5	28.6	31.3	6.6
Hip Fracture	40	5.0	6.0	*	10.0	10.9	*	12.5	14.0	*
Sepsis	20	10.0	22.0	*	15.0	27.9	*	15.0	32.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.2	*	22.2	5.8	*	22.2	8.1	*
Carotid Endarterectomy	2	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction	28	0.0	2.6	*	0.0	5.0	*	3.6	6.8	*
Open Reduction of Hip Fracture	23	8.7	6.2	*	17.4	11.6	*	17.4	15.1	*
Prostatectomy	56	1.8	1.3	1.6	3.6	2.9	2.3	3.6	4.6	3.0
Cholecystectomy	34	0.0	1.8	*	2.9	3.3	*	2.9	4.6	*
Hysterectomy	9	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,429	9.8	8.6	1.0	14.6	13.3	1.1	17.2	17.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	56	28.6	26.2	15.5	33.9	29.6	15.1	35.7	33.2	11.3
Congestive Heart Failure	92	22.8	15.9	7.7	29.3	23.7	7.6	32.6	30.5	8.0
Pneumonia/Influenza	43	11.6	13.5	*	16.3	18.4	*	23.3	22.7	*
Chronic Obstructive Pulmonary Disease	23	21.7	11.3	*	26.1	18.7	*	30.4	24.7	*
Transient Cerebral Ischemia	32	0.0	1.7	*	0.0	3.6	*	0.0	5.7	*
Stroke	67	26.9	17.4	7.8	31.3	23.8	7.6	37.3	28.1	8.1
Hip Fracture	25	8.0	5.4	*	20.0	10.2	*	20.0	13.7	*
Sepsis	14	21.4	23.5	*	21.4	31.6	*	28.6	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	5.7	*	0.0	9.9	*	0.0	13.4	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	28	7.1	2.1	*	14.3	4.3	*	14.3	6.1	*
Open Reduction of Hip Fracture	12	0.0	5.5	*	0.0	10.3	*	0.0	13.5	*
Prostatectomy	48	0.0	0.7	*	0.0	1.7	*	2.1	2.8	*
Cholecystectomy	37	0.0	2.3	*	2.7	4.3	*	5.4	6.0	*
Hysterectomy	6	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NANTICOKE MEMORIAL HOSPITAL INC

801 Middleford Rd
Seaford, DE 19973

Medicare Provider Number: 080006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,146	9.9	9.4	0.9	16.0	14.3	1.4	19.8	18.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	31	22.6	27.8	*	25.8	31.4	*	29.0	34.6	*
Congestive Heart Failure	85	9.4	15.7	6.7	15.3	24.4	7.8	25.9	31.4	7.1
Pneumonia/Influenza	41	19.5	17.4	*	24.4	23.5	*	26.8	28.3	*
Chronic Obstructive Pulmonary Disease	17	0.0	4.8	*	0.0	9.1	*	5.9	13.2	*
Transient Cerebral Ischemia	21	0.0	2.2	*	4.8	5.0	*	4.8	8.1	*
Stroke	37	24.3	20.9	*	35.1	27.4	*	43.2	31.9	*
Hip Fracture	16	6.3	10.1	*	12.5	17.2	*	12.5	21.7	*
Sepsis	6	83.3	36.4	*	100.0	46.7	*	100.0	55.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.8	*	12.5	7.6	*	12.5	11.3	*
Carotid Endarterectomy	5	0.0	1.5	*	20.0	2.9	*	20.0	4.2	*
Hip Replacement/Reconstruction	4	0.0	6.1	*	0.0	11.7	*	0.0	15.6	*
Open Reduction of Hip Fracture	10	10.0	10.5	*	20.0	18.4	*	20.0	23.0	*
Prostatectomy	20	5.0	1.8	*	10.0	4.5	*	10.0	7.5	*
Cholecystectomy	17	0.0	3.1	*	5.9	5.5	*	5.9	7.1	*
Hysterectomy	7	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	119
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	53
Percent of Physicians Board Certified Specialists	55
Medical Residents/Interns	0
Registered Nurses	160
Licensed Practical Nurses	38

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NANTICOKE MEMORIAL HOSPITAL INC

Medicare Provider Number: 080006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,173	9.1	9.1	1.0	14.4	13.8	1.4	18.0	17.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	37	27.0	25.7	*	32.4	28.6	*	32.4	32.0	*
Congestive Heart Failure	69	5.8	14.5	6.4	15.9	22.0	6.7	26.1	28.4	5.7
Pneumonia/Influenza	32	15.6	17.4	*	21.9	22.9	*	28.1	27.5	*
Chronic Obstructive Pulmonary Disease	10	0.0	3.9	*	0.0	7.4	*	0.0	10.5	*
Transient Cerebral Ischemia	23	0.0	2.2	*	0.0	5.1	*	4.3	8.2	*
Stroke	44	27.3	18.9	*	38.6	26.1	*	43.2	30.8	*
Hip Fracture	32	18.8	7.2	*	21.9	12.9	*	28.1	16.4	*
Sepsis	9	22.2	17.7	*	22.2	23.6	*	33.3	28.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	6.5	*	0.0	9.4	*	0.0	12.1	*
Carotid Endarterectomy	11	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	13	15.4	5.1	*	15.4	9.9	*	15.4	12.9	*
Open Reduction of Hip Fracture	18	11.1	5.9	*	11.1	11.2	*	22.2	14.6	*
Prostatectomy	19	0.0	1.3	*	0.0	3.0	*	0.0	5.0	*
Cholecystectomy	18	0.0	2.3	*	0.0	4.2	*	0.0	5.4	*
Hysterectomy	11	9.1	5.3	*	9.1	8.5	*	9.1	9.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,103	10.1	9.4	1.6	14.6	14.2	2.0	19.2	18.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	42	19.0	29.7	*	23.8	32.8	*	28.6	36.0	*
Congestive Heart Failure	47	17.0	17.0	*	27.7	24.5	*	38.3	31.3	*
Pneumonia/Influenza	28	14.3	16.6	*	21.4	22.5	*	21.4	27.0	*
Chronic Obstructive Pulmonary Disease	14	21.4	9.1	*	28.6	15.3	*	28.6	20.0	*
Transient Cerebral Ischemia	41	2.4	1.8	*	2.4	3.8	*	2.4	6.1	*
Stroke	36	22.2	17.8	*	25.0	23.8	*	25.0	27.9	*
Hip Fracture	22	31.8	9.9	*	31.8	17.2	*	36.4	21.4	*
Sepsis	7	14.3	25.5	*	14.3	31.8	*	28.6	36.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	1.5	*	0.0	3.0	*	0.0	4.7	*
Carotid Endarterectomy	10	0.0	1.5	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	1	100.0	6.2	*	100.0	13.0	*	100.0	18.0	*
Open Reduction of Hip Fracture	15	26.7	10.0	*	26.7	18.3	*	26.7	23.2	*
Prostatectomy	23	4.3	1.8	*	8.7	4.0	*	13.0	6.0	*
Cholecystectomy	16	6.3	1.9	*	6.3	3.3	*	6.3	4.1	*
Hysterectomy	4	0.0	0.7	*	0.0	1.4	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RIVERSIDE HOSPITAL

Lea Blvd & Franklin Pl
Wilmington, DE 19802

Medicare Provider Number: 080005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	496	8.9	8.3	1.6	14.9	13.0	2.4	18.3	16.8	2.7
CONDITIONS:										
Acute Myocardial Infarction	12	16.7	27.2	*	25.0	29.5	*	25.0	32.4	*
Congestive Heart Failure	35	0.0	16.1	*	5.7	25.1	*	17.1	32.0	*
Pneumonia/Influenza	24	12.5	13.8	*	25.0	19.4	*	29.2	23.8	*
Chronic Obstructive Pulmonary Disease	15	6.7	8.0	*	13.3	14.6	*	13.3	20.0	*
Transient Cerebral Ischemia	12	0.0	1.5	*	8.3	3.2	*	8.3	5.1	*
Stroke	15	26.7	17.1	*	33.3	23.9	*	33.3	28.5	*
Hip Fracture	17	23.5	5.3	*	23.5	10.3	*	23.5	14.0	*
Sepsis	3	66.7	29.0	*	66.7	35.5	*	66.7	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	7.7	*	0.0	11.1	*	0.0	13.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	20.0	3.6	*	20.0	7.2	*	20.0	10.0	*
Open Reduction of Hip Fracture	4	25.0	6.1	*	25.0	12.3	*	25.0	17.0	*
Prostatectomy	10	0.0	1.3	*	0.0	3.2	*	10.0	5.4	*
Cholecystectomy	6	16.7	4.5	*	16.7	8.7	*	16.7	11.3	*
Hysterectomy	1	0.0	0.0	*	0.0	0.0	*	0.0	0.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	71
Occupancy Rate	52
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	186
Percent of Physicians Board Certified Specialists	55
Medical Residents/Interns	12
Registered Nurses	68
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RIVERSIDE HOSPITAL

Medicare Provider Number: 080005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	458	7.2	9.1	1.9	11.1	13.8	2.4	14.2	17.6	2.6
CONDITIONS:										
Acute Myocardial Infarction	8	25.0	29.2	*	25.0	31.8	*	25.0	35.2	*
Congestive Heart Failure	35	8.6	15.6	*	8.6	24.2	*	14.3	30.9	*
Pneumonia/Influenza	17	5.9	13.8	*	11.8	19.1	*	11.8	23.2	*
Chronic Obstructive Pulmonary Disease	9	0.0	3.4	*	0.0	7.0	*	11.1	10.3	*
Transient Cerebral Ischemia	14	7.1	1.7	*	14.3	3.9	*	14.3	6.2	*
Stroke	13	15.4	20.7	*	23.1	26.7	*	23.1	31.2	*
Hip Fracture	14	0.0	5.4	*	0.0	10.1	*	7.1	13.4	*
Sepsis	3	0.0	34.6	*	33.3	40.7	*	33.3	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	9.7	*	0.0	12.2	*	0.0	14.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	3.7	*	0.0	7.1	*	12.5	9.6	*
Open Reduction of Hip Fracture	7	0.0	5.7	*	0.0	11.1	*	14.3	14.9	*
Prostatectomy	3	0.0	2.8	*	0.0	6.8	*	0.0	10.6	*
Cholecystectomy	4	0.0	4.1	*	0.0	6.2	*	0.0	7.1	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	493	7.7	8.7	2.1	12.0	13.0	2.1	14.8	16.4	2.3
CONDITIONS:										
Acute Myocardial Infarction	19	21.1	23.6	*	26.3	26.7	*	31.6	30.1	*
Congestive Heart Failure	23	8.7	12.4	*	13.0	18.5	*	17.4	24.0	*
Pneumonia/Influenza	15	6.7	15.4	*	20.0	21.6	*	26.7	26.6	*
Chronic Obstructive Pulmonary Disease	6	33.3	7.5	*	33.3	13.8	*	50.0	18.9	*
Transient Cerebral Ischemia	11	0.0	2.5	*	0.0	5.7	*	9.1	9.2	*
Stroke	25	8.0	20.4	*	16.0	27.1	*	16.0	31.4	*
Hip Fracture	11	9.1	6.4	*	9.1	11.4	*	18.2	14.6	*
Sepsis	7	28.6	21.4	*	42.9	26.8	*	42.9	31.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	7.2	*	14.3	10.6	*	14.3	13.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.8	*	0.0	7.6	*	0.0	10.4	*
Open Reduction of Hip Fracture	3	0.0	4.4	*	0.0	8.2	*	33.3	11.0	*
Prostatectomy	3	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	10	0.0	2.0	*	0.0	3.0	*	0.0	3.8	*
Hysterectomy	4	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST FRANCIS HOSPITAL INC

7th Clayton Sts
Wilmington, DE 19805

Medicare Provider Number: 080003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,412	8.3	8.8	0.5	13.5	13.2	0.6	17.5	16.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	126	16.7	28.8	5.8	24.6	32.1	5.3	28.6	35.6	5.1
Congestive Heart Failure	187	14.4	14.1	2.6	23.0	21.9	3.2	30.5	28.5	3.8
Pneumonia/Influenza	114	21.1	16.1	5.7	25.4	21.6	5.2	29.8	26.1	5.7
Chronic Obstructive Pulmonary Disease	42	4.8	7.8	*	7.1	12.9	*	21.4	17.6	*
Transient Cerebral Ischemia	75	2.7	2.1	3.9	6.7	4.7	4.6	10.7	7.5	4.6
Stroke	146	21.2	18.5	4.8	28.8	25.0	5.9	34.2	29.3	7.9
Hip Fracture	100	8.0	7.0	2.8	15.0	12.8	3.8	16.0	16.8	4.0
Sepsis	49	20.4	29.1	*	26.5	35.9	*	32.7	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.5	*	0.0	6.0	*	0.0	8.3	*
Carotid Endarterectomy	18	5.6	1.0	*	5.6	1.8	*	11.1	2.6	*
Hip Replacement/Reconstruction	90	4.4	2.6	2.3	6.7	5.0	2.9	6.7	6.8	2.7
Open Reduction of Hip Fracture	52	5.8	6.8	4.2	11.5	12.7	6.2	13.5	16.8	7.1
Prostatectomy	136	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	80	2.5	2.4	1.7	5.0	4.4	2.8	7.5	5.9	3.7
Hysterectomy	23	4.3	0.2	*	4.3	0.4	*	4.3	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	333
Occupancy Rate	77
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	491
Percent of Physicians Board Certified Specialists	59
Medical Residents/Interns	15
Registered Nurses	295
Licensed Practical Nurses	48

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST FRANCIS HOSPITAL INC

Medicare Provider Number: 080003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,373	8.4	9.2	0.7	13.6	13.7	0.9	17.3	17.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	118	28.0	29.4	4.8	33.1	32.7	4.8	36.4	36.5	4.5
Congestive Heart Failure	227	14.5	14.6	3.7	22.9	22.3	2.8	31.3	28.8	3.7
Pneumonia/Influenza	110	8.2	16.6	4.3	20.0	22.2	4.3	27.3	26.8	4.2
Chronic Obstructive Pulmonary Disease	42	9.5	7.5	*	16.7	13.3	*	19.0	18.1	*
Transient Cerebral Ischemia	62	3.2	2.1	3.4	4.8	4.7	6.0	11.3	7.6	4.4
Stroke	161	17.4	21.5	5.5	25.5	28.2	5.6	29.8	32.8	5.8
Hip Fracture	106	5.7	6.3	3.2	8.5	11.9	4.7	14.2	15.7	4.3
Sepsis	41	43.9	32.5	*	48.8	39.7	*	56.1	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	4.6	*	12.5	6.9	*	12.5	9.1	*
Carotid Endarterectomy	12	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	80	1.2	2.4	2.0	5.0	4.7	2.5	6.3	6.3	2.7
Open Reduction of Hip Fracture	54	3.7	5.8	4.5	3.7	11.5	7.9	11.1	15.4	7.4
Prostatectomy	135	0.0	0.7	1.4	1.5	1.8	1.3	3.0	3.0	1.5
Cholecystectomy	80	2.5	2.7	1.9	6.2	5.1	2.8	6.2	6.7	2.9
Hysterectomy	22	4.5	0.5	*	4.5	1.3	*	4.5	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,132	8.7	8.6	0.6	13.2	12.8	0.6	16.0	16.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	114	26.3	28.4	5.1	31.6	31.9	5.7	32.5	35.3	5.8
Congestive Heart Failure	198	12.1	15.9	3.6	20.2	24.1	4.1	24.2	30.9	5.2
Pneumonia/Influenza	103	15.5	17.0	4.4	22.3	22.7	4.4	26.2	27.4	4.5
Chronic Obstructive Pulmonary Disease	58	12.1	11.2	4.3	19.0	18.0	5.8	22.4	23.2	5.7
Transient Cerebral Ischemia	66	3.0	1.9	2.0	4.5	4.2	2.5	6.1	6.7	3.5
Stroke	125	23.2	22.7	3.9	31.2	29.3	5.3	34.4	33.8	4.4
Hip Fracture	81	6.2	6.3	3.0	9.9	11.4	3.8	13.6	14.9	4.4
Sepsis	24	25.0	27.9	*	37.5	34.6	*	37.5	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	4.8	*	6.3	8.6	*	6.3	11.8	*
Carotid Endarterectomy	11	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	69	2.9	1.6	2.3	2.9	3.0	2.1	4.3	4.1	2.4
Open Reduction of Hip Fracture	54	3.7	5.1	3.5	9.3	9.8	4.1	11.1	13.1	5.6
Prostatectomy	140	1.4	0.6	1.2	2.1	1.5	1.8	2.9	2.6	2.6
Cholecystectomy	77	2.6	2.2	1.7	2.6	3.9	2.5	2.6	5.3	3.4
Hysterectomy	24	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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StFRANCIS
HOSPITAL

Office of the President

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

HCFA Mortality Data Release
Provider Number: 080003

Dear Mrs. Kappert:

St. Francis Hospital welcomes the opportunity to comment on the Health Care Financing Administration's mortality information planned for public release this spring. Although St. Francis Hospital is supportive of HCFA's efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries, we do not believe that a comparison of hospital mortality rates will provide the public with meaningful conclusions regarding hospital performance.

The mortality data presented may be a useful screening tool to analyze the quality and effectiveness of the care provided; however, caution must be used in interpreting the data due to a number of shortcomings. First, it is of importance to note that the mortality rates are reflective of the Medicare population only, an elderly population with multiple medical problems. Secondly, mortality rates, in some categories, may appear skewed due to small sample sizes that are not statistically valid. Another area of possible misinterpretation is the methodology for determining mortality rates based on the patient's final diagnosis. The categorization of patients in this study is based on the patient's final diagnosis, that is the reason, after study, for which the patient was admitted to the hospital. This categorization may not however, represent the reason for the patient's death. For example, a patient included in the category of pneumonia may actually have died from complications of a long standing condition (i.e. cancer) which may have affected the patient's health status. Lastly, mortality rates expressed at 90 and 180 day intervals are misleading indicators of mortality, as death may have been attributed to outside factors with no relevance to the reason for the patient's previous hospitalization.

7th & Clayton Streets P.O. Box 2500 Wilmington, Delaware 19805-0500

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Regarding St. Francis Hospital's specific mortality information, our actual mortality rate approximates the predicted rate in over 60% of the categories reported in FY 1989. Two of the categories with higher than predicted mortality rates had sample sizes too small (less than 50 cases) to be statistically valid. In each of these categories St Francis Hospital experienced only one death within a thirty day period. An analysis of mortality rate information at 90 and 180 days post discharge did not reveal any significant patterns or trends.

It should be noted that St. Francis Hospital performs a quality review of every mortality as part of the hospital's established peer review/quality assessment program. Whenever patterns or trends are identified or problems arise, action is taken to remedy the situation. In addition, the Professional Review Organization also performs a comprehensive review of all mortalities and, to date, has not identified any areas of concern.

St. Francis Hospital has always been known for its quality of care. The Medicare beneficiaries we serve affirm our dedication to them as they select us to be their hospital of choice in numbers clearly higher than a hospital of our size in our community would ever expect. We feel privileged to care for them in all stages of their life.

Again, we appreciate the opportunity to review and comment on the HCFA Mortality Data prior to its public release.

Respectfully yours,

Paul C King, Jr.

Paul C. King, Jr.
President

PK/dmk

District of Columbia

CAPITOL HILL HOSPITAL

700 Constitution Ave NE
Washington, DC 20002

Medicare Provider Number: 090009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,421	8.9	9.3	0.8	14.2	14.3	1.0	19.1	18.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	16	6.3	28.7	*	6.3	32.9	*	12.5	36.8	*
Congestive Heart Failure	140	8.6	12.1	4.1	16.4	19.1	5.3	23.6	25.2	4.3
Pneumonia/Influenza	42	14.3	14.0	*	21.4	18.9	*	23.8	23.2	*
Chronic Obstructive Pulmonary Disease	17	0.0	8.9	*	11.8	14.7	*	23.5	19.6	*
Transient Cerebral Ischemia	17	5.9	2.1	*	5.9	4.8	*	11.8	7.7	*
Stroke	69	21.7	17.4	6.1	24.6	23.1	6.0	31.9	27.2	7.5
Hip Fracture	14	7.1	6.8	*	7.1	12.2	*	14.3	16.0	*
Sepsis	10	60.0	29.3	*	60.0	36.0	*	90.0	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.0	*	0.0	3.8	*	0.0	5.5	*
Carotid Endarterectomy	2	0.0	1.0	*	50.0	1.9	*	50.0	2.9	*
Hip Replacement/Reconstruction	8	0.0	5.0	*	0.0	9.3	*	0.0	12.3	*
Open Reduction of Hip Fracture	5	0.0	5.1	*	0.0	9.3	*	20.0	12.0	*
Prostatectomy	50	0.0	1.6	*	2.0	3.6	*	12.0	5.8	*
Cholecystectomy	18	5.6	3.8	*	5.6	7.0	*	16.7	9.6	*
Hysterectomy	3	33.3	4.1	*	33.3	8.1	*	66.7	12.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	180
Occupancy Rate	87
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	155
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	163
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CAPITOL HILL HOSPITAL

Medicare Provider Number: 090009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,410	8.3	9.1	1.0	14.0	14.1	0.9	18.3	18.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	18	16.7	25.5	*	16.7	28.6	*	22.2	32.3	*
Congestive Heart Failure	108	4.6	12.6	4.4	13.0	20.0	4.7	25.0	26.2	4.3
Pneumonia/Influenza	41	9.8	17.1	*	17.1	23.6	*	26.8	28.5	*
Chronic Obstructive Pulmonary Disease	14	7.1	10.0	*	7.1	16.9	*	14.3	23.0	*
Transient Cerebral Ischemia	20	5.0	2.0	*	15.0	4.4	*	25.0	6.9	*
Stroke	61	14.8	21.3	6.5	27.9	27.1	6.5	32.8	31.5	8.0
Hip Fracture	17	0.0	6.0	*	17.6	10.5	*	17.6	13.5	*
Sepsis	10	50.0	36.3	*	60.0	45.0	*	60.0	51.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.2	*	0.0	7.2	*	0.0	11.7	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	7	14.3	2.8	*	42.9	5.4	*	42.9	7.2	*
Open Reduction of Hip Fracture	8	0.0	5.6	*	12.5	10.2	*	12.5	13.4	*
Prostatectomy	34	5.9	2.1	*	11.8	4.9	*	11.8	8.0	*
Cholecystectomy	11	9.1	2.3	*	9.1	4.1	*	9.1	5.6	*
Hysterectomy	7	0.0	1.0	*	0.0	2.1	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,444	8.6	8.1	0.8	13.0	12.8	1.0	16.6	16.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	33	27.3	26.8	*	30.3	30.6	*	33.3	34.3	*
Congestive Heart Failure	117	6.0	12.4	4.5	14.5	20.0	6.5	17.9	26.5	6.1
Pneumonia/Influenza	41	17.1	18.0	*	19.5	25.3	*	22.0	31.0	*
Chronic Obstructive Pulmonary Disease	13	0.0	13.3	*	0.0	22.7	*	0.0	29.5	*
Transient Cerebral Ischemia	35	2.9	1.9	*	2.9	4.0	*	8.6	6.3	*
Stroke	44	11.4	17.7	*	15.9	23.3	*	31.8	27.4	*
Hip Fracture	21	4.8	6.2	*	9.5	11.5	*	9.5	15.3	*
Sepsis	16	18.8	25.9	*	31.3	33.5	*	31.3	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.8	*	0.0	5.6	*	0.0	8.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	4.3	*	0.0	8.4	*	0.0	11.4	*
Open Reduction of Hip Fracture	8	0.0	5.3	*	12.5	10.2	*	12.5	13.6	*
Prostatectomy	41	0.0	1.3	*	0.0	3.3	*	0.0	5.5	*
Cholecystectomy	5	0.0	2.5	*	20.0	5.2	*	20.0	7.6	*
Hysterectomy	2	0.0	1.0	*	0.0	1.8	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COLUMBIA HOSPITAL FOR WOMEN

2425 L St NW
Washington, DC 20037

Medicare Provider Number: 090010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	67	1.5	1.9	1.7	3.0	4.2	2.8	4.5	6.4	4.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	27	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	183
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	158
Percent of Physicians Board Certified Specialists	93
Medical Residents/Interns	0
Registered Nurses	330
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

COLUMBIA HOSPITAL FOR WOMEN

Medicare Provider Number: 090010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	74	2.7	1.7	1.9	2.7	3.8	2.8	4.1	6.1	4.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*
Hysterectomy	24	0.0	1.1	*	0.0	2.3	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	69	2.9	1.8	2.3	2.9	3.6	2.4	4.3	5.3	2.8
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	100.0	13.4	*	100.0	18.3	*	100.0	22.3	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	18	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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COLUMBIA
HOSPITAL FOR
WOMEN
MEDICAL CENTER

2425 L STREET, NORTHWEST
WASHINGTON, D.C. 20037
(202) 293-6500

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Re: Medicare Provider #090010

Dear Mrs. Kappert,

Thank you for the opportunity to respond to the Medicare Hospital Mortality Information for the fiscal years 1987, 1988, and 1989.

The fiscal year 1989 data you provided is correct. I am not able to verify or comment on the figures attributed to Columbia Hospital for Women Medical Center for FY 1988 or FY 1989 as HCFA has changed the time period for capturing the data from the calendar year to the fiscal year, but did not provide detailed patient information for the new time period.

Columbia Hospital for Women Medical Center does have a 35 bed Neonatal Intensive Care Nursery which should be included under Hospital Characteristics, Other Intensive Care.

Columbia Hospital for Women Medical Center is committed to providing excellent quality of care to all our patients. To do this, we have in place a comprehensive quality assurance program which involves the medical and nursing staffs, administrators, technologists, and other health professionals.

Thank you again for the opportunity to respond to the Medicare Hospital Mortality Information.

Sincerely,

James L. Woodward
Associate Administrator

JLW/LR/mg

DISTRICT OF COLUMBIA GENERAL HOSPITAL

19th & E Sts SE
Washington, DC 20003

Medicare Provider Number: 090007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	780	13.7	9.2	1.5	20.6	13.8	1.5	25.1	17.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	12	50.0	20.3	*	50.0	23.9	*	50.0	27.7	*
Congestive Heart Failure	50	12.0	11.5	*	22.0	18.8	*	22.0	25.2	*
Pneumonia/Influenza	26	30.8	12.1	*	42.3	17.4	*	50.0	21.7	*
Chronic Obstructive Pulmonary Disease	12	8.3	9.1	*	33.3	17.1	*	33.3	24.0	*
Transient Cerebral Ischemia	7	0.0	2.1	*	0.0	5.1	*	0.0	8.3	*
Stroke	37	35.1	23.5	*	40.5	28.3	*	43.2	32.2	*
Hip Fracture	16	6.3	3.8	*	18.8	7.3	*	18.8	9.8	*
Sepsis	13	61.5	26.8	*	69.2	37.3	*	92.3	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.1	*	0.0	7.5	*	0.0	9.8	*
Open Reduction of Hip Fracture	10	0.0	2.7	*	20.0	5.4	*	20.0	7.4	*
Prostatectomy	7	0.0	1.3	*	0.0	3.1	*	14.3	5.0	*
Cholecystectomy	4	0.0	2.9	*	25.0	5.9	*	25.0	8.0	*
Hysterectomy	3	0.0	1.1	*	0.0	2.9	*	0.0	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	420
Occupancy Rate	80
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	275
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	167
Registered Nurses	351
Licensed Practical Nurses	140

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

DISTRICT OF COLUMBIA GENERAL HOSPITAL

Medicare Provider Number: 090007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	824	14.6	9.5	1.2	21.7	14.5	1.5	26.1	18.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	21	38.1	24.7	*	38.1	28.2	*	52.4	31.9	*
Congestive Heart Failure	48	22.9	10.8	*	29.2	17.4	*	33.3	23.2	*
Pneumonia/Influenza	27	22.2	14.8	*	29.6	20.8	*	29.6	25.4	*
Chronic Obstructive Pulmonary Disease	5	0.0	6.2	*	0.0	10.9	*	0.0	15.4	*
Transient Cerebral Ischemia	6	0.0	1.4	*	0.0	3.1	*	0.0	4.8	*
Stroke	40	37.5	19.2	*	40.0	25.1	*	42.5	29.5	*
Hip Fracture	9	0.0	5.1	*	33.3	10.5	*	44.4	15.0	*
Sepsis	20	30.0	21.9	*	55.0	29.0	*	55.0	34.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.1	*	100.0	3.7	*	100.0	5.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	1.4	*	0.0	2.6	*	25.0	3.7	*
Open Reduction of Hip Fracture	5	0.0	4.6	*	20.0	9.8	*	20.0	14.0	*
Prostatectomy	11	0.0	0.8	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	5	0.0	6.3	*	20.0	12.7	*	20.0	17.7	*
Hysterectomy	2	0.0	2.4	*	0.0	5.9	*	0.0	9.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	825	14.1	9.2	1.3	19.6	14.0	1.3	24.2	17.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	26.9	*	38.1	30.9	*	42.9	34.6	*
Congestive Heart Failure	52	15.4	11.8	8.2	21.2	17.8	8.3	28.8	23.2	9.9
Pneumonia/Influenza	13	23.1	13.8	*	30.8	19.5	*	38.5	24.0	*
Chronic Obstructive Pulmonary Disease	13	23.1	13.9	*	23.1	23.4	*	30.8	30.1	*
Transient Cerebral Ischemia	2	0.0	0.8	*	0.0	1.6	*	0.0	2.5	*
Stroke	42	23.8	16.9	*	33.3	22.2	*	38.1	26.1	*
Hip Fracture	4	0.0	5.2	*	0.0	9.8	*	0.0	13.3	*
Sepsis	14	57.1	26.7	*	64.3	33.3	*	71.4	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.5	*	40.0	8.1	*	40.0	12.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	1.6	*	0.0	3.1	*	0.0	4.2	*
Open Reduction of Hip Fracture	2	0.0	2.2	*	0.0	3.8	*	0.0	5.2	*
Prostatectomy	19	5.3	0.8	*	5.3	1.8	*	5.3	3.0	*
Cholecystectomy	9	0.0	1.7	*	11.1	3.1	*	11.1	4.0	*
Hysterectomy	2	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

23.1

DCGH

Government of the District of Columbia
District of Columbia General Hospital
19th Street and Massachusetts Avenue, S.E.
Washington, D.C. 20003
Telephone (202) 675-5000

January 15, 1991

Gail R. Wilensky, PhD
Administrator
Health Standard and Quality Bureau
2-D-s Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21701

Dear Dr. Wilensky:

The District of Columbia General Hospital accepts the 1989 HCFA Medicare Mortality Rate Analysis as useful information for further validating our own well developed method of internal review. We recognize that, in and of itself, the mortality data is not an indicator of the quality of care provided in our hospital nor in any other hospital.

The medical staff of the hospital oversees an ongoing systematic peer review process which monitors and evaluates patient care. The process is hospital-wide, covers all patients, and uses a variety of indicators which includes mortality review. Results and conclusion of this monitoring and evaluation are discussed in every major clinical department. Policy and procedure changes have been implemented when results have indicated the need and when there are opportunities to improve care.

As we review the HCFA report, we see, as in previous years, the failure to consider certain socioeconomic risk factors such as race, smoking, alcohol intake and income levels. We consider this to be significant and critical in the District of Columbia General Hospital analysis since the population we primarily serve is minority and low income. Indeed, the hospital's mission is to serve the indigent population of the District of Columbia.

Our concern for this type of application analysis is supported by a recent publication by Otten et al in JAMA 1990;263:845-850. These researchers report results of studies which demonstrated a large mortality gap between black and white adult Americans. There studies show that excess mortality in blacks is directly tied to a causal relationship between risk factors such as smoking and alcohol intake. When the socioeconomic factor of income level is applied the differential in the mortality gap is heightened even more.

In analyzing the HCFA data we find that the numbers observed for each category of condition and procedure are so small that they do not permit calculation of a reliable standard deviation. Therefore, statistically the mortality rates are uninterpretable.

Turning then to raw numbers, we find that seventy-five (75) of one hundred seventy-three (173) observed patients in eight condition categories expired. Only forty-nine (49) of these patients died at the District of Columbia General Hospital. Six (6) of the remaining twenty-six (26) died within thirty (30) days after discharge while the remaining twenty (20) died 90-180 days post discharge. Indeed eleven (11) of the twenty (20) died more than 180 days after discharge from the District of Columbia General Hospital.

These numbers indicate that deaths post hospital discharge, particularly three to six months in time, are reflective of allied support systems for the patient population. This is more a concern of the community at large and not reflective per se on the hospital care providers.

Thank you for allowing us the opportunity to respond.

Sincerely,

Mark Chastang
Executive Director

GEORGE WASHINGTON UNIVERSITY HOSPITAL

901 23rd St NW
Washington, DC 20037

Medicare Provider Number: 090001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,475	7.4	8.4	0.7	12.9	13.6	0.9	16.3	17.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	38	23.7	25.2	*	31.6	28.3	*	31.6	31.6	*
Congestive Heart Failure	95	10.5	13.1	6.5	17.9	21.0	5.3	26.3	27.8	4.8
Pneumonia/Influenza	61	8.2	16.6	6.9	11.5	23.3	8.6	16.4	28.4	9.0
Chronic Obstructive Pulmonary Disease	26	11.5	6.4	*	15.4	11.3	*	15.4	15.5	*
Transient Cerebral Ischemia	25	0.0	1.7	*	4.0	3.6	*	8.0	5.8	*
Stroke	61	18.0	18.9	7.3	23.0	25.7	6.9	29.5	30.2	6.5
Hip Fracture	43	7.0	4.8	*	9.3	8.7	*	9.3	11.6	*
Sepsis	19	26.3	23.3	*	26.3	32.2	*	31.6	38.4	*
PROCEDURES:										
Angioplasty	15	6.7	3.4	*	6.7	4.4	*	6.7	5.6	*
Coronary Artery Bypass Graft	42	7.1	5.4	*	11.9	7.5	*	11.9	9.2	*
Initial Pacemaker Insertion	4	0.0	3.0	*	0.0	6.1	*	0.0	9.3	*
Carotid Endarterectomy	13	0.0	1.8	*	0.0	3.4	*	0.0	5.1	*
Hip Replacement/Reconstruction	57	1.8	2.2	2.0	3.5	4.1	3.0	3.5	5.5	3.9
Open Reduction of Hip Fracture	17	0.0	3.9	*	0.0	7.4	*	0.0	9.9	*
Prostatectomy	85	0.0	1.0	1.5	1.2	2.1	2.3	4.7	3.4	2.3
Cholecystectomy	22	9.1	3.5	*	13.6	6.3	*	13.6	8.3	*
Hysterectomy	14	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	483
Occupancy Rate	90
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	721
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	386
Registered Nurses	398
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

GEORGE WASHINGTON UNIVERSITY HOSPITAL

Medicare Provider Number: 090001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,335	6.8	8.5	0.9	12.8	13.9	0.9	17.3	18.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	50	22.0	27.0	*	26.0	29.8	*	28.0	33.1	*
Congestive Heart Failure	94	9.6	14.2	5.3	24.5	22.3	4.8	28.7	29.1	4.7
Pneumonia/Influenza	50	10.0	13.6	*	18.0	19.0	*	26.0	23.3	*
Chronic Obstructive Pulmonary Disease	22	13.6	10.3	*	18.2	17.8	*	27.3	24.1	*
Transient Cerebral Ischemia	33	3.0	1.5	*	6.1	3.3	*	9.1	5.2	*
Stroke	69	30.4	18.3	7.5	37.7	25.0	7.8	39.1	29.5	7.1
Hip Fracture	41	0.0	5.2	*	0.0	9.9	*	4.9	13.3	*
Sepsis	12	50.0	27.6	*	50.0	36.9	*	50.0	43.8	*
PROCEDURES:										
Angioplasty	11	0.0	2.9	*	9.1	4.0	*	9.1	5.3	*
Coronary Artery Bypass Graft	35	5.7	7.9	*	8.6	10.3	*	8.6	11.8	*
Initial Pacemaker Insertion	4	25.0	13.7	*	25.0	16.4	*	25.0	19.0	*
Carotid Endarterectomy	8	12.5	1.6	*	12.5	3.3	*	12.5	4.9	*
Hip Replacement/Reconstruction	44	0.0	3.2	*	4.5	6.4	*	9.1	9.1	*
Open Reduction of Hip Fracture	21	0.0	3.9	*	0.0	7.8	*	9.5	10.7	*
Prostatectomy	72	0.0	1.1	1.7	2.8	2.8	2.0	5.6	4.7	2.7
Cholecystectomy	19	5.3	1.7	*	10.5	2.9	*	10.5	3.7	*
Hysterectomy	17	5.9	1.9	*	5.9	3.8	*	5.9	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,041	7.6	8.1	0.7	13.2	13.0	0.8	17.8	17.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	45	6.7	24.2	*	11.1	27.1	*	13.3	30.3	*
Congestive Heart Failure	103	11.7	14.8	3.8	26.2	23.3	4.3	36.9	30.3	5.6
Pneumonia/Influenza	41	12.2	13.4	*	17.1	18.5	*	22.0	22.7	*
Chronic Obstructive Pulmonary Disease	18	0.0	7.6	*	22.2	13.1	*	27.8	17.6	*
Transient Cerebral Ischemia	23	0.0	1.7	*	8.7	3.6	*	13.0	5.6	*
Stroke	55	18.2	20.3	5.7	27.3	26.7	6.9	32.7	31.3	6.3
Hip Fracture	38	7.9	4.2	*	7.9	8.0	*	7.9	10.8	*
Sepsis	10	40.0	28.3	*	40.0	34.3	*	40.0	39.4	*
PROCEDURES:										
Angioplasty	6	0.0	10.0	*	16.7	11.5	*	16.7	12.9	*
Coronary Artery Bypass Graft	27	14.8	6.8	*	22.2	9.5	*	25.9	10.9	*
Initial Pacemaker Insertion	9	0.0	2.6	*	11.1	5.5	*	11.1	8.1	*
Carotid Endarterectomy	8	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
Hip Replacement/Reconstruction	36	0.0	2.5	*	2.8	4.8	*	2.8	6.6	*
Open Reduction of Hip Fracture	22	9.1	3.3	*	9.1	6.6	*	9.1	9.1	*
Prostatectomy	58	0.0	0.9	2.1	5.2	2.3	3.1	5.2	3.8	3.4
Cholecystectomy	9	0.0	3.5	*	0.0	6.4	*	0.0	8.2	*
Hysterectomy	15	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

25.1

Medicare #090001

The George Washington University
WASHINGTON DC
MEDICAL CENTER

January 15, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

The George Washington University Medical Center, a major teaching hospital, regularly reviews all deaths and complications as an integral part of its quality assurance program. In response to the medicare hospital mortality information provided we reviewed the predicted mortality rates as against those observed in the study.

Twelve of the seventeen conditions and procedures in the report had insignificant sample size, according to the authors of the study, and therefore made scientific analysis impossible. In the categories with a significant sample size, we are pleased that the mortality rates at The George Washington University Hospital were below the predicted level, except for Prostatectomy--180 days after discharge. The observed rate of 4.7 was well within the 99%, 95% and 75% confidence intervals.

The authors of the study determined that, "the number of cases or deaths in those categories was too small to permit satisfactory estimation of the standard deviation." We nevertheless reviewed the charts in those diagnostic categories and found the following:

- **Chronic obstructive pulmonary disease.** Three of the eight patients who died did so in other institutions; one fell in a nursing home.

- **Hip fracture.** There were four deaths in forty-three patients and none was felt to be preventable. One of the four was well on discharge and died ten days later. An additional patient was transferred to GWUH from another hospital in a moribund state and died within twenty-four hours.

DIRECTOR OF CLINICAL SERVICES & MEDICAL DIRECTOR • THE UNIVERSITY HOSPITAL
901 23RD STREET, N.W. • WASHINGTON, DC 20037 • (202) 994-5617 • FAX (202) 994-3885

- **Sepsis.** Of the nine deaths, seven charts were available for review. One patient did well here and died of AIDS elsewhere; one did well and died in Arkansas from a malignant neoplasm, and still another died elsewhere three months post-discharge.

- **Angioplasty.** There was one death and that patient arrived in cardiogenic shock, received thrombolytic agents and angioplasty, without success.

- **Coronary Artery Bypass Graft Surgery.** One patient was doing well but succumbed to a myocardial infarction post-operatively, one died suddenly of a pulmonary embolus fifteen days post-operatively, one was discharged well and died later. Two of the patients were extremely high risk with multiple organ failure and died in the hospital.

- **Cholecystectomy.** Two patients left the hospital well and died elsewhere from other illnesses, one a year post-operatively. One eighty-four year old patient had cancer, angina pectoris, high blood pressure and pancreatitis and died of multiple organ failure. One ninety year old died of respiratory failure seven days post-operatively. He also had an implanted pacemaker.

Thank you for the opportunity to respond to the information provided. We hope this information is of assistance as you further refine the study.

Sincerely,

William F. Minogue, M.D.
Director of Clinical Services
and Medical Director

WFM/mt

GEORGETOWN UNIVERSITY HOSPITAL

3800 Reservior Rd
Washington, DC 20007

Medicare Provider Number: 090004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,748	6.0	8.0	0.9	11.5	13.0	0.8	15.5	17.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	72	16.7	27.0	7.8	18.1	30.7	8.4	20.8	34.7	9.2
Congestive Heart Failure	91	22.0	14.7	6.7	34.1	23.6	7.3	38.5	30.9	6.5
Pneumonia/Influenza	52	15.4	14.3	8.7	28.8	20.1	10.4	30.8	24.6	10.8
Chronic Obstructive Pulmonary Disease	11	0.0	8.0	*	0.0	14.1	*	0.0	19.4	*
Transient Cerebral Ischemia	26	3.8	1.9	*	3.8	4.1	*	7.7	6.6	*
Stroke	73	16.4	16.9	5.2	21.9	23.5	5.5	26.0	27.9	5.5
Hip Fracture	46	0.0	5.6	*	6.5	10.8	*	6.5	14.5	*
Sepsis	36	33.3	25.0	*	36.1	35.3	*	44.4	42.4	*
PROCEDURES:										
Angioplasty	110	3.6	4.1	1.9	6.4	6.0	2.7	6.4	7.8	3.5
Coronary Artery Bypass Graft	74	4.1	5.6	3.1	8.1	8.2	4.1	9.5	9.8	3.5
Initial Pacemaker Insertion	27	0.0	2.1	*	3.7	4.7	*	3.7	7.3	*
Carotid Endarterectomy	10	0.0	2.1	*	0.0	4.3	*	10.0	6.6	*
Hip Replacement/Reconstruction	56	0.0	2.2	2.9	7.1	4.3	3.6	8.9	6.0	5.1
Open Reduction of Hip Fracture	13	0.0	5.7	*	0.0	11.5	*	0.0	15.8	*
Prostatectomy	54	0.0	1.2	1.9	1.9	3.1	2.6	3.7	5.2	3.3
Cholecystectomy	19	10.5	8.1	*	10.5	17.4	*	21.1	25.0	*
Hysterectomy	24	0.0	1.5	*	0.0	3.5	*	0.0	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	528
Occupancy Rate	77
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	607
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	165
Registered Nurses	725
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

GEORGETOWN UNIVERSITY HOSPITAL

Medicare Provider Number: 090004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,706	6.4	8.1	0.7	10.8	13.2	0.7	14.5	17.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	52	19.2	26.5	8.0	26.9	29.9	6.7	26.9	33.4	8.5
Congestive Heart Failure	88	10.2	16.0	5.5	19.3	24.7	5.9	29.5	31.8	5.1
Pneumonia/Influenza	79	15.2	15.1	4.7	22.8	21.3	4.8	26.6	26.1	5.0
Chronic Obstructive Pulmonary Disease	16	12.5	9.2	*	18.8	16.5	*	18.8	22.5	*
Transient Cerebral Ischemia	28	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Stroke	71	18.3	16.8	5.3	26.8	23.5	6.3	32.4	27.9	7.5
Hip Fracture	55	1.8	5.2	4.7	7.3	10.1	7.0	9.1	13.5	7.9
Sepsis	27	29.6	25.3	*	33.3	36.5	*	55.6	44.1	*
PROCEDURES:										
Angioplasty	78	2.6	4.2	3.1	2.6	5.7	3.7	2.6	7.1	4.4
Coronary Artery Bypass Graft	68	4.4	6.1	4.0	4.4	8.7	5.1	4.4	10.3	5.6
Initial Pacemaker Insertion	26	3.8	2.3	*	3.8	4.4	*	3.8	6.5	*
Carotid Endarterectomy	5	0.0	2.5	*	0.0	5.4	*	0.0	7.7	*
Hip Replacement/Reconstruction	56	0.0	2.7	3.0	0.0	5.6	5.3	3.6	7.9	6.2
Open Reduction of Hip Fracture	18	5.6	5.0	*	16.7	9.4	*	22.2	12.5	*
Prostatectomy	35	0.0	1.4	*	2.9	3.5	*	2.9	5.8	*
Cholecystectomy	24	0.0	3.8	*	0.0	7.4	*	0.0	10.1	*
Hysterectomy	18	0.0	2.2	*	0.0	4.6	*	0.0	6.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,610	6.2	7.3	0.7	10.3	11.9	0.9	13.6	15.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	55	23.6	26.1	6.5	27.3	29.6	7.0	29.1	33.1	8.0
Congestive Heart Failure	65	9.2	14.7	6.6	20.0	22.6	5.8	29.2	29.3	5.7
Pneumonia/Influenza	70	14.3	15.6	4.5	20.0	21.4	5.1	24.3	26.1	5.8
Chronic Obstructive Pulmonary Disease	8	0.0	7.9	*	12.5	13.5	*	12.5	18.2	*
Transient Cerebral Ischemia	30	3.3	1.8	*	6.7	3.6	*	6.7	5.5	*
Stroke	69	15.9	23.4	7.0	18.8	29.8	8.7	21.7	34.1	9.5
Hip Fracture	48	6.3	5.9	*	8.3	11.3	*	18.8	15.2	*
Sepsis	13	30.8	32.1	*	46.2	41.9	*	46.2	49.0	*
PROCEDURES:										
Angioplasty	77	1.3	3.2	3.3	2.6	4.1	4.0	2.6	5.2	4.7
Coronary Artery Bypass Graft	44	11.4	5.3	*	11.4	7.7	*	11.4	9.0	*
Initial Pacemaker Insertion	22	9.1	4.8	*	9.1	9.5	*	9.1	13.3	*
Carotid Endarterectomy	10	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	54	1.9	2.6	3.0	1.9	5.1	5.0	3.7	7.0	6.0
Open Reduction of Hip Fracture	21	4.8	5.2	*	9.5	10.7	*	23.8	14.9	*
Prostatectomy	48	0.0	1.2	*	0.0	2.8	*	0.0	4.6	*
Cholecystectomy	9	0.0	3.0	*	0.0	6.5	*	0.0	9.8	*
Hysterectomy	27	0.0	1.1	*	0.0	2.2	*	3.7	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GREATER SOUTHEAST HOSPITAL

1310 Southern Ave SE
Washington, DC 20032

Medicare Provider Number: 090008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,830	9.1	8.7	0.7	15.5	14.2	1.0	20.4	18.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	42	33.3	25.7	*	38.1	29.3	*	40.5	33.0	*
Congestive Heart Failure	124	9.7	13.0	4.5	20.2	21.1	4.6	29.8	27.9	4.4
Pneumonia/Influenza	69	17.4	14.7	5.4	26.1	20.7	7.2	30.4	25.4	8.0
Chronic Obstructive Pulmonary Disease	26	19.2	8.3	*	23.1	14.4	*	34.6	19.4	*
Transient Cerebral Ischemia	44	0.0	1.7	*	2.3	3.8	*	2.3	6.1	*
Stroke	65	18.5	17.0	5.2	24.6	23.7	5.5	27.7	28.2	5.6
Hip Fracture	33	12.1	5.1	*	27.3	9.7	*	30.3	13.0	*
Sepsis	13	23.1	25.3	*	46.2	36.3	*	46.2	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	2.2	*	12.5	4.9	*	25.0	7.6	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	14	0.0	2.8	*	7.1	5.1	*	7.1	6.8	*
Open Reduction of Hip Fracture	19	5.3	3.9	*	26.3	7.9	*	26.3	10.9	*
Prostatectomy	57	1.8	1.4	1.6	3.5	3.4	2.5	7.0	5.8	3.5
Cholecystectomy	23	0.0	3.2	*	4.3	5.7	*	8.7	7.4	*
Hysterectomy	9	0.0	1.0	*	0.0	2.4	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	450
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	531
Licensed Practical Nurses	30

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GREATER SOUTHEAST HOSPITAL

Medicare Provider Number: 090008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,943	10.2	8.6	1.0	16.3	14.0	1.2	20.7	18.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	38	23.7	23.4	*	36.8	27.0	*	42.1	30.7	*
Congestive Heart Failure	155	14.8	13.0	3.6	26.5	21.1	7.0	32.3	27.8	6.3
Pneumonia/Influenza	63	11.1	16.3	9.8	14.3	23.0	11.1	22.2	28.0	11.1
Chronic Obstructive Pulmonary Disease	23	4.3	8.9	*	13.0	16.8	*	17.4	23.0	*
Transient Cerebral Ischemia	36	0.0	1.9	*	8.3	4.1	*	11.1	6.5	*
Stroke	72	25.0	17.4	7.4	29.2	24.2	8.1	37.5	28.7	8.3
Hip Fracture	21	9.5	5.1	*	19.0	9.4	*	23.8	12.4	*
Sepsis	22	27.3	26.1	*	54.5	34.9	*	59.1	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	20.0	11.6	*	30.0	16.6	*	30.0	20.7	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	14	7.1	3.6	*	14.3	7.3	*	14.3	10.2	*
Open Reduction of Hip Fracture	8	12.5	5.5	*	12.5	10.7	*	25.0	14.3	*
Prostatectomy	50	0.0	1.5	*	4.0	3.6	*	6.0	5.9	*
Cholecystectomy	20	10.0	2.3	*	10.0	4.4	*	10.0	6.0	*
Hysterectomy	4	25.0	5.7	*	25.0	11.3	*	75.0	15.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,661	9.1	9.1	0.7	14.7	14.3	1.2	18.1	18.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	29	24.1	30.8	*	34.5	34.9	*	34.5	38.7	*
Congestive Heart Failure	98	11.2	14.8	5.0	19.4	22.5	5.6	26.5	28.9	5.0
Pneumonia/Influenza	46	15.2	19.1	*	23.9	25.9	*	28.3	31.0	*
Chronic Obstructive Pulmonary Disease	32	6.3	9.9	*	15.6	17.0	*	15.6	22.3	*
Transient Cerebral Ischemia	35	2.9	1.9	*	2.9	4.3	*	5.7	6.9	*
Stroke	56	17.9	19.1	7.6	25.0	25.5	6.5	28.6	30.1	6.4
Hip Fracture	26	11.5	5.1	*	11.5	9.5	*	15.4	12.6	*
Sepsis	17	29.4	39.0	*	47.1	46.8	*	58.8	53.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	5.8	*	13.3	9.5	*	26.7	12.7	*
Carotid Endarterectomy	3	0.0	1.9	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction	7	14.3	2.9	*	14.3	5.8	*	14.3	8.0	*
Open Reduction of Hip Fracture	15	13.3	4.1	*	13.3	8.0	*	20.0	10.8	*
Prostatectomy	46	2.2	1.2	*	2.2	3.0	*	2.2	5.0	*
Cholecystectomy	7	0.0	4.8	*	14.3	9.9	*	14.3	14.2	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

29.1

Greater Southeast Community Hospital
1310 Southern Avenue, Southeast
Washington, DC 20032
(202) 574-6000

Thomas W. Chapman, FACHE
President

January 9, 1991

Gail R. Wilensky, Ph.D., Administrator
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Wilensky:

Greater Southeast Community Hospital welcomes the opportunity to review and comment on the 1989 HCFA Mortality Data, which is scheduled for release in spring of 1991.

The Hospital appreciates HCFA's efforts to improve the methodology used to calculate hospital mortality rates. However, we continue to have concerns. Severity measures used by HCFA do not indicate the actual degree of patient instability at the time of admission. Random sampling has the potential for increasing the observed mortality rate artificially since all admissions are not included in the review. Finally, the absence of a predicted range, the use of standard deviation, and the display of mortality rates at the 90 and 180 day points can be confusing to the public and may lead to misinterpretation.

Although the 1989 HCFA Mortality Data for Greater Southeast shows no statistically significant differences between observed and predicted rates, the hospital plans to focus initial review in three areas: Acute myocardial infarctions (heart attacks), chronic obstructive pulmonary disease, and initial insertion of pacemakers. The intent of this review will be to measure the degree of a patient's clinical instability at the time of admission and to evaluate patient care to see if these factors had an impact on mortality rates.

As always, Greater Southeast Community Hospital is concerned about patient outcomes. We have a quality assurance program that works effectively with physicians, nurses and other clinical staff to address patient care issues. The hospital has purchased a computerized severity of illness classification system as an enhancement to our QA program. The computer program assists the medical staff and administration with monitoring and evaluating morbidity and mortality, planning for needed changes, trending data over time, and documenting improvements in patient care.

For your part, HCFA needs to emphasize to the public that these mortality data should not be used to make judgements about quality of care or to make comparisons among hospitals. It should stress that the information is one of the many tools hospitals use to analyze the quality of the services they provide.

Thank you for the opportunity to respond.

Sincerely,

Thomas Chapman
President

HADLEY MEMORIAL HOSPITAL

4601 Nichols Ave SW
Washington, DC 20032

Medicare Provider Number: 090002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	375	10.4	9.0	2.6	18.1	14.5	2.9	22.7	19.1	3.1
CONDITIONS:										
Acute Myocardial Infarction	7	28.6	23.4	*	28.6	26.2	*	28.6	29.5	*
Congestive Heart Failure	28	7.1	12.1	*	7.1	20.0	*	17.9	26.9	*
Pneumonia/Influenza	29	13.8	15.8	*	17.2	21.9	*	20.7	26.7	*
Chronic Obstructive Pulmonary Disease	8	25.0	15.3	*	37.5	23.7	*	37.5	29.7	*
Transient Cerebral Ischemia	8	0.0	1.3	*	0.0	3.0	*	0.0	4.8	*
Stroke	8	12.5	10.5	*	12.5	15.3	*	12.5	18.7	*
Hip Fracture	3	0.0	5.7	*	33.3	11.2	*	33.3	15.3	*
Sepsis	10	40.0	22.3	*	40.0	30.6	*	40.0	36.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	3.0	*	0.0	6.8	*	0.0	10.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	2.9	*	100.0	5.7	*	100.0	7.9	*
Prostatectomy	4	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*
Cholecystectomy	7	0.0	2.3	*	0.0	4.2	*	0.0	5.7	*
Hysterectomy	1	0.0	5.2	*	100.0	11.1	*	100.0	16.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	77
Occupancy Rate	68
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	78
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	0
Registered Nurses	47
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HADLEY MEMORIAL HOSPITAL

Medicare Provider Number: 090002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	341	10.3	8.8	2.2	14.7	14.0	2.1	19.1	18.2	2.3
CONDITIONS:										
Acute Myocardial Infarction	6	50.0	29.2	*	50.0	33.4	*	50.0	37.4	*
Congestive Heart Failure	35	14.3	11.0	*	14.3	17.5	*	17.1	23.3	*
Pneumonia/Influenza	20	25.0	13.5	*	25.0	18.6	*	25.0	22.8	*
Chronic Obstructive Pulmonary Disease	5	20.0	10.5	*	40.0	18.0	*	40.0	24.6	*
Transient Cerebral Ischemia	6	0.0	1.8	*	0.0	4.2	*	0.0	6.9	*
Stroke	9	22.2	15.7	*	22.2	21.5	*	33.3	25.7	*
Hip Fracture	2	0.0	4.4	*	0.0	8.9	*	50.0	12.2	*
Sepsis	3	66.7	18.5	*	66.7	27.8	*	66.7	34.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.6	*	0.0	7.1	*	0.0	9.5	*
Open Reduction of Hip Fracture	0									
Prostatectomy	9	11.1	2.2	*	11.1	5.2	*	11.1	8.3	*
Cholecystectomy	5	0.0	4.2	*	20.0	8.6	*	20.0	12.4	*
Hysterectomy	4	0.0	0.7	*	0.0	1.3	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	342	8.2	10.1	2.0	11.4	15.0	2.9	18.1	18.9	2.2
CONDITIONS:										
Acute Myocardial Infarction	7	42.9	30.7	*	42.9	34.4	*	42.9	38.6	*
Congestive Heart Failure	33	6.1	14.5	*	9.1	21.7	*	12.1	27.9	*
Pneumonia/Influenza	12	8.3	17.5	*	8.3	23.8	*	25.0	29.0	*
Chronic Obstructive Pulmonary Disease	6	0.0	10.2	*	0.0	17.3	*	16.7	23.1	*
Transient Cerebral Ischemia	9	0.0	1.3	*	0.0	2.8	*	11.1	4.3	*
Stroke	15	6.7	17.4	*	6.7	23.8	*	6.7	28.0	*
Hip Fracture	3	0.0	4.9	*	33.3	9.3	*	33.3	12.3	*
Sepsis	7	28.6	34.9	*	42.9	40.9	*	42.9	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.8	*	0.0	7.5	*	0.0	13.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.7	*	50.0	11.1	*	50.0	14.6	*
Open Reduction of Hip Fracture	0									
Prostatectomy	8	0.0	1.3	*	0.0	3.0	*	0.0	4.8	*
Cholecystectomy	5	0.0	5.3	*	0.0	9.1	*	20.0	11.3	*
Hysterectomy	1	0.0	0.2	*	0.0	0.5	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOWARD UNIVERSITY HOSPITAL

2041 Georgia Ave NW
Washington, DC 20060

Medicare Provider Number: 090003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,673	9.3	9.0	0.7	17.5	14.5	1.1	23.1	18.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	38	26.3	25.3	*	39.5	29.3	*	42.1	33.1	*
Congestive Heart Failure	102	10.8	11.1	3.1	24.5	18.5	5.1	29.4	25.0	5.4
Pneumonia/Influenza	63	19.0	13.9	8.7	30.2	19.5	7.2	31.7	24.3	6.5
Chronic Obstructive Pulmonary Disease	9	11.1	14.3	*	33.3	25.0	*	33.3	32.4	*
Transient Cerebral Ischemia	14	0.0	1.2	*	0.0	2.6	*	0.0	4.0	*
Stroke	67	19.4	15.3	6.1	23.9	22.0	9.1	31.3	26.3	10.3
Hip Fracture	20	5.0	5.3	*	15.0	10.0	*	20.0	13.4	*
Sepsis	28	28.6	25.5	*	46.4	33.6	*	50.0	40.8	*
PROCEDURES:										
Angioplasty	7	0.0	1.9	*	0.0	3.6	*	0.0	5.1	*
Coronary Artery Bypass Graft	16	12.5	6.7	*	18.8	11.4	*	25.0	14.5	*
Initial Pacemaker Insertion	13	0.0	2.7	*	0.0	4.9	*	0.0	7.0	*
Carotid Endarterectomy	2	0.0	2.5	*	0.0	4.8	*	0.0	6.9	*
Hip Replacement/Reconstruction	17	5.9	2.7	*	17.6	5.2	*	23.5	7.1	*
Open Reduction of Hip Fracture	7	0.0	4.8	*	14.3	9.4	*	14.3	13.0	*
Prostatectomy	54	3.7	1.3	1.9	5.6	3.1	3.8	13.0	5.3	5.0
Cholecystectomy	7	0.0	2.3	*	0.0	4.6	*	0.0	6.3	*
Hysterectomy	5	0.0	0.8	*	0.0	1.4	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	490
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	347
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	264
Registered Nurses	541
Licensed Practical Nurses	72

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

HOWARD UNIVERSITY HOSPITAL

Medicare Provider Number: 090003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,689	9.9	9.2	0.9	17.2	14.9	1.1	21.9	19.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	33	51.5	26.8	*	57.6	30.1	*	60.6	33.2	*
Congestive Heart Failure	84	14.3	13.0	3.9	17.9	20.7	5.5	22.6	27.1	7.7
Pneumonia/Influenza	63	12.7	14.2	4.6	19.0	19.9	5.2	20.6	24.4	7.3
Chronic Obstructive Pulmonary Disease	7	14.3	9.4	*	28.6	17.5	*	42.9	24.6	*
Transient Cerebral Ischemia	14	14.3	1.5	*	21.4	3.2	*	21.4	4.9	*
Stroke	61	13.1	17.8	7.6	23.0	24.4	7.6	29.5	28.8	5.9
Hip Fracture	9	22.2	5.9	*	44.4	11.3	*	44.4	15.3	*
Sepsis	24	33.3	23.4	*	37.5	31.8	*	41.7	38.1	*
PROCEDURES:										
Angioplasty	5	0.0	2.1	*	0.0	2.7	*	0.0	3.4	*
Coronary Artery Bypass Graft	11	0.0	8.3	*	9.1	13.0	*	9.1	15.3	*
Initial Pacemaker Insertion	16	6.3	3.1	*	6.3	6.2	*	6.3	9.0	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction	4	25.0	11.6	*	50.0	23.9	*	50.0	31.3	*
Open Reduction of Hip Fracture	2	50.0	7.8	*	50.0	15.7	*	50.0	21.7	*
Prostatectomy	72	2.8	1.7	1.8	4.2	3.9	2.3	5.6	6.3	2.9
Cholecystectomy	16	12.5	5.0	*	18.8	10.7	*	25.0	15.7	*
Hysterectomy	8	12.5	1.7	*	25.0	3.7	*	25.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,652	9.9	9.8	0.8	16.5	15.3	1.1	20.5	19.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	35	31.4	34.4	*	34.3	38.2	*	37.1	42.1	*
Congestive Heart Failure	95	7.4	13.8	4.6	10.5	21.1	6.2	14.7	27.4	7.2
Pneumonia/Influenza	55	12.7	15.6	5.1	25.5	21.3	5.9	30.9	26.1	6.6
Chronic Obstructive Pulmonary Disease	18	11.1	12.7	*	16.7	22.1	*	22.2	29.2	*
Transient Cerebral Ischemia	12	0.0	2.2	*	0.0	4.9	*	0.0	7.9	*
Stroke	62	11.3	15.5	6.0	21.0	22.0	6.4	24.2	26.2	6.8
Hip Fracture	13	0.0	5.4	*	0.0	10.5	*	23.1	14.3	*
Sepsis	32	37.5	19.4	*	56.3	26.3	*	56.3	31.9	*
PROCEDURES:										
Angioplasty	2	0.0	2.3	*	0.0	3.2	*	0.0	4.3	*
Coronary Artery Bypass Graft	8	12.5	8.1	*	12.5	12.9	*	25.0	15.8	*
Initial Pacemaker Insertion	12	0.0	5.8	*	16.7	10.0	*	16.7	13.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	3.4	*	0.0	6.7	*	16.7	8.9	*
Open Reduction of Hip Fracture	8	0.0	4.1	*	0.0	8.7	*	12.5	12.5	*
Prostatectomy	81	1.2	1.2	1.5	2.5	2.8	2.9	2.5	4.6	4.0
Cholecystectomy	8	0.0	3.9	*	0.0	7.3	*	25.0	9.4	*
Hysterectomy	4	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PROVIDENCE HOSPITAL

1150 Varnum St NE
Washington, DC 20017

Medicare Provider Number: 090006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,356	9.3	9.9	1.0	14.7	15.8	1.0	19.0	20.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	50	24.0	25.2	*	30.0	28.9	*	30.0	32.7	*
Congestive Heart Failure	153	13.7	13.2	2.9	20.3	21.0	3.4	28.1	27.7	3.7
Pneumonia/Influenza	59	6.8	15.6	6.6	10.2	21.5	8.1	13.6	26.1	8.8
Chronic Obstructive Pulmonary Disease	28	7.1	10.2	*	10.7	18.0	*	21.4	24.6	*
Transient Cerebral Ischemia	31	0.0	1.7	*	6.5	3.7	*	6.5	5.9	*
Stroke	105	15.2	16.7	4.4	21.0	23.5	5.1	23.8	28.0	7.0
Hip Fracture	23	17.4	6.5	*	21.7	12.0	*	30.4	15.9	*
Sepsis	33	27.3	31.2	*	39.4	38.8	*	54.5	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	4.6	*	0.0	9.6	*	7.7	13.8	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	16	0.0	1.3	*	0.0	2.5	*	6.3	3.8	*
Open Reduction of Hip Fracture	10	10.0	6.0	*	20.0	11.3	*	20.0	15.1	*
Prostatectomy	128	0.8	1.4	1.2	3.1	3.2	1.6	4.7	5.1	2.5
Cholecystectomy	26	3.8	2.4	*	3.8	4.5	*	3.8	6.0	*
Hysterectomy	22	4.5	2.2	*	4.5	4.9	*	9.1	7.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	379
Occupancy Rate	84
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	277
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PROVIDENCE HOSPITAL

Medicare Provider Number: 090006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,369	9.0	9.8	0.9	14.9	15.6	1.0	19.2	20.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	42	19.0	25.1	*	23.8	29.0	*	31.0	32.6	*
Congestive Heart Failure	126	8.7	14.1	5.2	16.7	22.1	4.8	27.0	28.8	4.2
Pneumonia/Influenza	84	11.9	15.0	6.0	19.0	20.9	6.1	21.4	25.5	5.8
Chronic Obstructive Pulmonary Disease	24	4.2	10.2	*	4.2	16.8	*	4.2	22.2	*
Transient Cerebral Ischemia	33	0.0	1.9	*	3.0	4.5	*	9.1	7.4	*
Stroke	98	12.2	17.2	6.5	17.3	23.5	7.2	19.4	28.0	8.7
Hip Fracture	43	7.0	5.6	*	11.6	10.6	*	18.6	14.0	*
Sepsis	16	37.5	28.6	*	43.8	35.3	*	43.8	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	3.7	*	11.8	6.5	*	11.8	9.1	*
Carotid Endarterectomy	1	0.0	3.2	*	0.0	7.2	*	0.0	10.2	*
Hip Replacement/Reconstruction	26	3.8	3.1	*	11.5	6.2	*	19.2	8.4	*
Open Reduction of Hip Fracture	18	5.6	5.3	*	11.1	10.4	*	16.7	14.2	*
Prostatectomy	164	1.2	1.3	1.0	2.4	3.1	1.7	3.0	5.0	2.7
Cholecystectomy	29	0.0	2.8	*	0.0	5.4	*	3.4	7.3	*
Hysterectomy	13	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,114	9.0	10.3	0.8	14.0	15.8	1.0	19.3	20.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	76	19.7	30.4	6.8	23.7	34.3	7.5	25.0	38.1	7.1
Congestive Heart Failure	145	11.0	15.6	5.3	17.9	23.7	5.9	26.2	30.4	5.3
Pneumonia/Influenza	31	16.1	16.8	*	19.4	22.7	*	22.6	27.5	*
Chronic Obstructive Pulmonary Disease	19	10.5	8.5	*	21.1	14.1	*	26.3	18.6	*
Transient Cerebral Ischemia	26	0.0	2.3	*	3.8	5.2	*	3.8	8.4	*
Stroke	75	16.0	21.4	5.6	17.3	27.3	7.3	26.7	31.7	6.5
Hip Fracture	26	7.7	5.5	*	7.7	10.3	*	11.5	13.6	*
Sepsis	11	45.5	28.5	*	54.5	33.9	*	63.6	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	8.7	5.1	*	17.4	8.7	*	17.4	11.9	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	13	0.0	2.8	*	0.0	5.3	*	0.0	7.2	*
Open Reduction of Hip Fracture	12	8.3	4.0	*	8.3	8.0	*	8.3	11.1	*
Prostatectomy	118	0.8	1.5	2.6	5.9	3.7	2.7	6.8	6.0	2.8
Cholecystectomy	27	7.4	5.5	*	11.1	9.8	*	22.2	12.5	*
Hysterectomy	15	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SIBLEY MEMORIAL HOSPITAL

5255 Loughboro Rd NW
Washington, DC 20016

Medicare Provider Number: 090005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,919	7.2	8.7	0.6	12.0	13.8	0.8	15.2	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	71	28.2	30.0	5.7	32.4	33.6	5.9	38.0	37.2	6.2
Congestive Heart Failure	120	11.7	14.6	4.4	25.0	23.3	4.3	32.5	30.4	4.6
Pneumonia/Influenza	76	11.8	14.5	5.5	21.1	20.1	5.4	22.4	24.4	5.2
Chronic Obstructive Pulmonary Disease	22	0.0	8.9	*	9.1	15.0	*	18.2	20.2	*
Transient Cerebral Ischemia	30	3.3	1.8	*	3.3	4.1	*	3.3	6.5	*
Stroke	81	14.8	19.3	8.4	18.5	27.0	9.4	24.7	31.8	8.9
Hip Fracture	105	4.8	6.3	2.6	9.5	11.5	4.2	10.5	15.2	6.0
Sepsis	30	16.7	27.0	*	30.0	38.0	*	40.0	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	5.1	*	5.0	9.3	*	15.0	12.8	*
Carotid Endarterectomy	8	12.5	1.4	*	12.5	2.6	*	12.5	3.9	*
Hip Replacement/Reconstruction	112	2.7	3.2	1.8	4.5	6.1	3.3	6.2	8.4	5.0
Open Reduction of Hip Fracture	42	4.8	5.9	*	9.5	11.3	*	11.9	15.0	*
Prostatectomy	121	0.0	1.1	1.2	0.0	2.7	2.1	0.8	4.5	2.5
Cholecystectomy	30	3.3	4.0	*	3.3	7.2	*	3.3	9.3	*
Hysterectomy	32	0.0	2.7	*	0.0	4.4	*	0.0	5.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	362
Occupancy Rate	68
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	303
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	0
Registered Nurses	355
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SIBLEY MEMORIAL HOSPITAL

Medicare Provider Number: 090005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,853	7.3	8.7	0.7	11.6	13.7	0.9	14.9	17.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	62	30.6	26.2	7.0	33.9	30.2	6.7	33.9	33.9	7.6
Congestive Heart Failure	127	20.5	17.1	4.2	28.3	26.1	4.5	32.3	33.4	4.3
Pneumonia/Influenza	88	9.1	15.2	5.5	14.8	20.8	5.8	17.0	24.8	7.1
Chronic Obstructive Pulmonary Disease	32	9.4	8.4	*	21.9	14.1	*	21.9	18.9	*
Transient Cerebral Ischemia	30	3.3	1.7	*	10.0	3.6	*	16.7	5.7	*
Stroke	102	14.7	18.0	5.3	22.5	24.9	4.9	28.4	29.4	4.6
Hip Fracture	113	6.2	5.5	2.2	12.4	10.5	3.5	17.7	13.9	4.6
Sepsis	16	12.5	25.6	*	25.0	32.2	*	31.3	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	4.9	*	15.4	8.1	*	15.4	10.9	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	97	4.1	2.6	2.5	6.2	5.1	3.5	8.2	6.9	3.1
Open Reduction of Hip Fracture	46	2.2	5.2	*	10.9	10.3	*	17.4	14.0	*
Prostatectomy	140	0.0	1.0	1.3	1.4	2.3	1.6	2.9	3.7	1.8
Cholecystectomy	37	0.0	3.7	*	5.4	6.7	*	5.4	8.6	*
Hysterectomy	44	0.0	1.2	*	0.0	2.4	*	2.3	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,563	7.2	9.2	0.6	11.4	14.1	0.7	15.6	18.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	66	15.2	31.2	9.1	19.7	34.5	8.9	24.2	38.1	8.1
Congestive Heart Failure	113	17.7	17.5	3.6	26.5	26.1	4.4	30.1	33.2	5.4
Pneumonia/Influenza	70	17.1	16.1	5.2	22.9	22.2	7.0	30.0	26.8	6.8
Chronic Obstructive Pulmonary Disease	31	6.5	9.2	*	12.9	15.9	*	16.1	21.3	*
Transient Cerebral Ischemia	26	3.8	2.2	*	7.7	4.7	*	7.7	7.6	*
Stroke	100	25.0	23.4	4.9	30.0	30.3	4.7	32.0	35.0	6.4
Hip Fracture	77	2.6	5.9	3.5	7.8	11.3	4.3	14.3	15.1	4.1
Sepsis	17	29.4	31.1	*	35.3	40.0	*	35.3	47.0	*
PROCEDURES:										
Angioplasty	4	0.0	2.1	*	0.0	3.4	*	0.0	4.5	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	0.0	5.4	*	3.6	9.8	*	7.1	13.2	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	83	0.0	2.6	2.4	2.4	5.0	2.9	6.0	6.8	2.8
Open Reduction of Hip Fracture	40	5.0	5.3	*	10.0	10.8	*	15.0	14.7	*
Prostatectomy	139	0.7	0.9	0.8	0.7	2.1	1.7	2.9	3.4	1.8
Cholecystectomy	23	4.3	3.5	*	4.3	6.1	*	4.3	7.5	*
Hysterectomy	25	0.0	0.4	*	0.0	0.8	*	4.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WASHINGTON HOSPITAL CENTER

110 Irving St NW
Washington, DC 20010

Medicare Provider Number: 090011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,542	7.0	7.7	0.6	11.8	12.4	0.8	15.4	16.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	70	17.1	23.4	6.1	18.6	26.5	7.0	20.0	29.9	8.1
Congestive Heart Failure	192	9.4	12.0	3.3	18.8	19.4	3.7	26.0	25.8	3.2
Pneumonia/Influenza	63	19.0	12.3	5.8	20.6	17.1	5.3	23.8	21.1	5.4
Chronic Obstructive Pulmonary Disease	24	12.5	8.8	*	16.7	15.2	*	25.0	20.9	*
Transient Cerebral Ischemia	35	2.9	1.8	*	2.9	3.8	*	2.9	6.1	*
Stroke	143	14.7	18.6	5.4	22.4	24.7	4.2	29.4	29.2	3.8
Hip Fracture	40	2.5	6.7	*	5.0	12.0	*	10.0	15.4	*
Sepsis	27	11.1	21.7	*	25.9	29.3	*	29.6	35.0	*
PROCEDURES:										
Angioplasty	224	2.2	2.2	1.7	2.7	3.2	1.7	3.6	4.4	1.9
Coronary Artery Bypass Graft	293	5.8	5.6	2.3	7.2	8.4	2.2	10.2	10.4	2.1
Initial Pacemaker Insertion	24	20.8	5.5	*	20.8	9.0	*	20.8	12.3	*
Carotid Endarterectomy	11	9.1	1.7	*	9.1	3.4	*	9.1	5.1	*
Hip Replacement/Reconstruction	43	0.0	3.3	*	2.3	6.2	*	2.3	8.5	*
Open Reduction of Hip Fracture	16	0.0	6.5	*	0.0	12.3	*	0.0	16.0	*
Prostatectomy	113	1.8	1.4	1.2	5.3	3.2	2.0	8.0	5.3	3.0
Cholecystectomy	35	5.7	3.9	*	5.7	7.2	*	11.4	9.7	*
Hysterectomy	35	0.0	1.2	*	0.0	2.5	*	0.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	871
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	736
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	197
Registered Nurses	953
Licensed Practical Nurses	117

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

WASHINGTON HOSPITAL CENTER

Medicare Provider Number: 090011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,708	6.3	7.4	0.5	10.7	11.9	0.7	13.8	15.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	74	32.4	25.1	7.0	41.9	28.6	8.2	44.6	32.0	9.1
Congestive Heart Failure	188	9.0	13.7	4.2	16.5	21.6	4.8	24.5	28.2	4.6
Pneumonia/Influenza	93	16.1	13.2	4.2	20.4	18.6	4.2	23.7	22.7	4.5
Chronic Obstructive Pulmonary Disease	30	3.3	7.9	*	13.3	13.5	*	20.0	18.6	*
Transient Cerebral Ischemia	41	0.0	1.9	*	2.4	3.9	*	4.9	6.1	*
Stroke	120	13.3	16.7	4.8	20.8	23.1	5.4	23.3	27.6	7.4
Hip Fracture	41	2.4	5.5	*	4.9	10.0	*	7.3	13.0	*
Sepsis	28	25.0	29.8	*	32.1	38.7	*	42.9	45.1	*
PROCEDURES:										
Angioplasty	169	2.4	2.6	1.6	4.7	3.6	2.0	5.3	4.7	1.8
Coronary Artery Bypass Graft	285	4.2	5.8	1.7	5.6	8.4	2.2	6.0	10.1	2.7
Initial Pacemaker Insertion	16	12.5	4.3	*	18.8	7.3	*	18.8	10.0	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	43	0.0	2.6	*	2.3	4.9	*	2.3	6.6	*
Open Reduction of Hip Fracture	15	6.7	5.5	*	6.7	10.1	*	6.7	13.1	*
Prostatectomy	130	0.8	1.5	1.5	1.5	3.2	2.5	2.3	5.0	3.4
Cholecystectomy	43	4.7	4.1	*	7.0	7.4	*	7.0	9.6	*
Hysterectomy	26	7.7	1.2	*	7.7	2.6	*	7.7	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,410	6.5	6.9	0.5	9.8	10.9	0.6	13.5	14.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	114	23.7	25.1	4.7	23.7	28.4	5.1	25.4	31.7	6.1
Congestive Heart Failure	157	10.8	14.1	3.2	16.6	21.7	4.1	26.1	28.2	3.8
Pneumonia/Influenza	63	17.5	15.0	7.7	22.2	20.7	7.2	25.4	25.3	5.8
Chronic Obstructive Pulmonary Disease	43	11.6	9.2	*	23.3	16.0	*	30.2	21.4	*
Transient Cerebral Ischemia	28	0.0	1.6	*	3.6	3.1	*	3.6	4.8	*
Stroke	98	16.3	20.7	6.2	20.4	27.3	6.6	29.6	31.9	5.2
Hip Fracture	36	0.0	5.8	*	2.8	10.4	*	2.8	13.4	*
Sepsis	24	45.8	26.1	*	45.8	34.5	*	54.2	41.0	*
PROCEDURES:										
Angioplasty	132	2.3	3.4	1.9	3.8	4.4	1.8	6.1	5.4	2.2
Coronary Artery Bypass Graft	300	6.0	5.9	1.6	6.3	8.3	1.9	8.3	9.8	2.1
Initial Pacemaker Insertion	27	3.7	3.2	*	3.7	6.5	*	3.7	9.6	*
Carotid Endarterectomy	9	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	43	0.0	3.2	*	2.3	6.3	*	4.7	8.7	*
Open Reduction of Hip Fracture	12	0.0	6.6	*	0.0	12.1	*	0.0	15.6	*
Prostatectomy	154	0.0	1.0	1.1	0.0	2.5	2.2	0.6	4.1	2.7
Cholecystectomy	18	5.6	3.5	*	5.6	7.0	*	5.6	9.8	*
Hysterectomy	28	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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WASHINGTON
HOSPITAL
CENTER

CHARLES R. HARTMAN, M.D.
VICE PRESIDENT
MEDICAL AFFAIRS

202/877-7202

January 15, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have received the 1989 mortality statistics on Medicare patients prepared by HCFA and find no great variances in your data when compared with our own.

While we do not yet consider the report to be a guide to hospital quality, it appears to be improving to the point where it can be considered an effective screen for the best and the worst. As you continue to refine the methodology for these data we anticipate incorporating it more effectively into our own quality assurance program.

Thank you for the opportunity to offer a response.

Sincerely,

Charles R. Hartman, M.D.
Vice President
Medical Affairs

cc: K. Samet

110 IRVING STREET, N.W.
WASHINGTON, D.C.
20010

MEDLANTIC

Maryland

ANNE ARUNDEL GENERAL HOSPITAL

Franklin & Cathedral Sts
Annapolis, MD 21401

Medicare Provider Number: 210023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,658	10.1	8.4	0.8	15.2	13.3	1.0	18.8	17.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	72	20.8	25.3	8.3	23.6	29.0	8.8	26.4	32.8	9.5
Congestive Heart Failure	144	15.3	13.3	3.2	25.0	21.2	4.4	33.3	28.0	6.5
Pneumonia/Influenza	114	14.9	13.2	4.5	20.2	18.4	4.5	22.8	22.8	3.9
Chronic Obstructive Pulmonary Disease	70	11.4	6.5	5.0	17.1	12.0	6.5	24.3	16.9	9.8
Transient Cerebral Ischemia	31	0.0	1.5	*	0.0	3.5	*	0.0	5.6	*
Stroke	98	28.6	18.6	6.8	33.7	25.1	6.5	36.7	29.7	6.2
Hip Fracture	70	5.7	4.5	2.7	8.6	8.7	3.8	12.9	11.9	4.3
Sepsis	34	23.5	26.4	*	35.3	35.1	*	38.2	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	19.0	4.1	*	19.0	7.8	*	19.0	11.2	*
Carotid Endarterectomy	14	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	52	0.0	2.7	3.4	3.8	5.3	4.5	5.8	7.5	4.5
Open Reduction of Hip Fracture	35	5.7	3.8	*	5.7	7.8	*	11.4	10.9	*
Prostatectomy	75	0.0	0.9	*	0.0	2.2	*	0.0	3.8	*
Cholecystectomy	47	2.1	2.1	*	4.3	3.8	*	4.3	5.1	*
Hysterectomy	14	0.0	1.2	*	0.0	2.7	*	7.1	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	303
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	279
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	253
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ANNE ARUNDEL GENERAL HOSPITAL

Medicare Provider Number: 210023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,671	10.4	8.3	0.8	15.5	13.3	0.9	19.1	17.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	49	32.7	21.6	*	38.8	24.2	*	38.8	27.3	*
Congestive Heart Failure	110	15.5	14.5	4.7	23.6	22.6	4.3	31.8	29.3	4.8
Pneumonia/Influenza	110	19.1	15.2	7.0	28.2	20.8	8.9	31.8	25.3	8.9
Chronic Obstructive Pulmonary Disease	47	6.4	8.6	*	10.6	15.1	*	17.0	20.6	*
Transient Cerebral Ischemia	38	2.6	1.9	*	5.3	4.4	*	10.5	7.0	*
Stroke	104	25.0	18.5	6.7	29.8	25.7	7.8	37.5	30.4	9.2
Hip Fracture	48	8.3	5.9	*	14.6	11.1	*	22.9	14.8	*
Sepsis	22	36.4	22.8	*	40.9	29.8	*	40.9	35.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	12.5	4.9	*	18.8	7.5	*	25.0	10.1	*
Carotid Endarterectomy	17	0.0	1.7	*	5.9	3.2	*	5.9	4.8	*
Hip Replacement/Reconstruction	26	0.0	1.6	*	7.7	3.1	*	7.7	4.5	*
Open Reduction of Hip Fracture	35	5.7	5.5	*	11.4	10.9	*	20.0	14.9	*
Prostatectomy	69	0.0	1.1	1.6	1.4	2.6	2.5	1.4	4.3	3.6
Cholecystectomy	42	0.0	2.4	*	2.4	4.4	*	2.4	6.0	*
Hysterectomy	13	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,634	10.4	9.2	1.1	15.1	14.3	1.2	19.2	18.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	74	25.7	27.5	5.8	27.0	30.9	7.0	29.7	34.5	8.5
Congestive Heart Failure	116	17.2	14.9	3.8	21.6	22.7	4.0	28.4	29.3	4.3
Pneumonia/Influenza	99	16.2	17.0	4.5	25.3	23.0	5.1	29.3	27.7	5.0
Chronic Obstructive Pulmonary Disease	58	13.8	11.3	6.1	20.7	19.0	6.3	27.6	24.7	8.1
Transient Cerebral Ischemia	45	0.0	1.8	*	0.0	3.7	*	6.7	5.8	*
Stroke	112	18.8	18.8	4.6	27.7	25.8	4.3	33.9	30.2	5.0
Hip Fracture	71	5.6	5.7	3.1	11.3	10.6	3.7	14.1	13.8	4.1
Sepsis	12	33.3	29.0	*	41.7	36.7	*	50.0	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	8.3	3.7	*	12.5	7.1	*	12.5	10.0	*
Carotid Endarterectomy	23	0.0	1.6	*	4.3	2.9	*	8.7	4.1	*
Hip Replacement/Reconstruction	26	3.8	2.3	*	3.8	4.5	*	3.8	6.2	*
Open Reduction of Hip Fracture	43	2.3	4.8	*	4.7	9.2	*	4.7	12.2	*
Prostatectomy	80	0.0	1.1	1.5	0.0	2.7	3.0	2.5	4.5	2.8
Cholecystectomy	37	2.7	2.6	*	2.7	4.3	*	2.7	5.5	*
Hysterectomy	15	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BALTIMORE COUNTY GENERAL HOSPITAL

5401 Old Court Rd
Randallstown, MD 21133

Medicare Provider Number: 210040

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,131	10.3	9.1	0.6	16.3	14.2	0.8	20.0	18.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	123	30.1	24.5	6.3	34.1	28.0	7.0	36.6	31.6	6.4
Congestive Heart Failure	169	15.4	13.9	3.4	24.3	22.3	4.0	32.5	29.3	5.1
Pneumonia/Influenza	121	20.7	15.8	3.9	30.6	22.1	5.2	38.0	27.0	6.6
Chronic Obstructive Pulmonary Disease	27	3.7	7.3	*	7.4	12.5	*	14.8	17.0	*
Transient Cerebral Ischemia	24	0.0	1.5	*	0.0	3.5	*	0.0	5.7	*
Stroke	137	18.2	17.8	3.3	24.1	24.5	4.0	30.7	28.9	4.6
Hip Fracture	59	8.5	4.9	4.2	11.9	9.4	4.3	16.9	12.7	6.8
Sepsis	62	33.9	27.1	9.2	45.2	35.2	10.4	51.6	41.5	9.6
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	2.1	*	0.0	4.8	*	0.0	7.6	*
Carotid Endarterectomy	8	0.0	1.6	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	42	7.1	2.8	*	7.1	5.7	*	7.1	8.2	*
Open Reduction of Hip Fracture	35	2.9	4.4	*	5.7	8.8	*	8.6	12.2	*
Prostatectomy	122	0.8	0.9	1.5	2.5	2.2	2.2	4.9	3.7	2.3
Cholecystectomy	38	0.0	3.8	*	2.6	7.0	*	2.6	9.3	*
Hysterectomy	8	0.0	1.3	*	0.0	2.6	*	0.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	220
Occupancy Rate	90
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	321
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	0
Registered Nurses	243
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BALTIMORE COUNTY GENERAL HOSPITAL

Medicare Provider Number: 210040

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,168	11.5	10.2	0.9	17.0	15.6	1.0	21.3	19.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	138	31.2	24.6	5.0	34.1	28.0	5.1	36.2	31.3	4.7
Congestive Heart Failure	188	19.7	15.7	5.8	30.3	24.3	5.9	36.2	31.4	5.3
Pneumonia/Influenza	119	24.4	15.5	5.3	36.1	21.4	6.0	39.5	25.8	6.2
Chronic Obstructive Pulmonary Disease	23	8.7	9.0	*	8.7	14.6	*	21.7	19.2	*
Transient Cerebral Ischemia	30	3.3	1.6	*	6.7	3.6	*	10.0	5.7	*
Stroke	166	13.9	18.8	3.7	24.7	26.3	3.5	34.3	31.1	3.9
Hip Fracture	93	4.3	4.6	2.2	9.7	8.9	3.2	12.9	11.9	3.7
Sepsis	72	31.9	25.4	6.2	45.8	33.5	8.2	52.8	39.6	9.3
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	6.2	*	5.9	9.1	*	5.9	11.8	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
Hip Replacement/Reconstruction	50	4.0	3.0	*	6.0	6.1	*	8.0	8.2	*
Open Reduction of Hip Fracture	55	5.5	4.3	3.9	14.5	8.8	7.6	18.2	12.1	10.0
Prostatectomy	108	0.0	1.1	1.6	0.9	2.7	2.7	3.7	4.5	2.6
Cholecystectomy	42	9.5	4.2	*	11.9	8.5	*	11.9	11.8	*
Hysterectomy	4	0.0	0.9	*	0.0	2.5	*	0.0	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,970	10.7	10.7	0.6	16.4	16.1	0.9	21.1	20.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	160	29.4	27.5	6.9	36.9	31.1	6.8	40.0	34.6	6.9
Congestive Heart Failure	146	13.7	15.2	3.3	21.2	23.0	4.3	26.7	29.6	7.0
Pneumonia/Influenza	129	17.8	17.6	3.4	21.7	23.9	3.9	30.2	28.9	4.0
Chronic Obstructive Pulmonary Disease	33	9.1	11.0	*	18.2	18.6	*	18.2	24.6	*
Transient Cerebral Ischemia	43	0.0	2.3	*	2.3	5.1	*	2.3	8.1	*
Stroke	151	14.6	20.2	3.9	24.5	27.3	3.9	31.8	31.9	3.9
Hip Fracture	77	7.8	5.9	4.3	13.0	11.2	3.8	15.6	14.8	4.1
Sepsis	63	33.3	26.2	10.8	44.4	34.6	12.2	50.8	40.9	11.5
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	5.9	*	11.8	8.9	*	17.6	11.5	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.5	*	0.0	3.9	*
Hip Replacement/Reconstruction	34	5.9	2.2	*	5.9	4.5	*	5.9	6.4	*
Open Reduction of Hip Fracture	50	8.0	5.0	*	14.0	9.8	*	18.0	13.2	*
Prostatectomy	105	1.0	1.2	1.1	2.9	2.8	1.8	4.8	4.7	2.6
Cholecystectomy	48	2.1	4.1	*	8.3	6.9	*	8.3	8.5	*
Hysterectomy	8	12.5	0.9	*	12.5	1.7	*	12.5	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Baltimore County General Hospital

5401 Old Court Road
Randallstown, Maryland
21133

(301) 521-2200

January 14, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to comment upon Medicare analysis of hospital mortality rates for 1990. The information provided in this letter should facilitate a better understanding of the findings for Baltimore County General Hospital, and also indicate steps the hospital plans to take to improve data accuracy.

As a preliminary comment, it is important to consider that the simple point-to-point comparison of an observed mortality rate to a predicted mortality rate can lead to faulty conclusions based upon inadequate statistical significance. In the case of Baltimore County General Hospital, in all but one instance in FY 1989 (all causes, 90 days post admission) the mortality rates fell within an expected range of normal variability based upon widely accepted statistical methodology. Problems associated with interpretation of the "all cause" category will be discussed later in this letter. Furthermore, the wide range of variables outside of a hospital's control which can affect mortality as far as 90 and 180 days post admission (such as availability and quality of nursing homes) render long term mortality analysis difficult at best.

Three specific categories which warrant additional comment are sepsis, pneumonia/influenza, and all causes. The category of sepsis has the highest standard deviation of all conditions and procedures, indicating that rates are highly variable throughout comparison hospitals and suggesting that a non-uniform definition of sepsis may exist. In any event, what may appear on the surface as a high sepsis mortality rate at Baltimore County General Hospital based upon a point-to-point comparison in fact reflects expected variation when a statistical expected range of mortality is applied. In addition, the most recent Maryland Hospital Association mortality report for 1989 shows the Baltimore County General Hospital rate for sepsis virtually equal to the state average, and also identifies that all BCGH sepsis mortalities occurred with the most severely ill patients according to case mix adjustment (Systemetric's Disease Staging System). Therefore, none of the sepsis mortalities occurred in low risk patients.

For pneumonia/influenza, once again the hospital's observed rates for 1989 fall within the expected range based upon statistical analysis. The hospital's Respiratory Care Committee chairman has retrospectively reviewed the FY1989 pneumonia/influenza mortalities and found that most of these cases were incorrectly identified as belonging to this category.

As a result of these findings:

1. Chairman of Respiratory Care Committee and Medical Records Supervisor presented an educational session on the coding of DRG's 079 and 089 to the Department of Medicine.
2. Chief of Medicine appointed Chairman of Respiratory Care Committee to serve as liaison between Coding and the medical staff.
3. All pneumonia mortalities and questionable pneumonia cases identified by coders will be reviewed by the liaison.

As for the all causes category, it is most important to note that with the methodology utilized by HCFA, this segment of the report is not case mix adjusted to the extent of the other specific categories. Without an adequate case mix adjustment, it is not possible to draw any clear conclusions from this information, particularly at a hospital such as BCGH which is known to have a high case mix index.

In general, it should be noted that every mortality is reviewed by the hospital's quality assurance physician advisor and the appropriate departmental chief. A monthly mortality report is presented to the hospital's Multidisciplinary Quality Assurance/Risk Management Committee and to the Board of Trustees Quality Assurance/Risk Management and Medical Affairs Committee. Also, the hospital's overall mortality rate for the first five months of the current fiscal year is 19% less than last year's mortality rate.

I hope this information provides a clearer picture of mortality rates at BCGH, and also reinforces the hospital's ongoing efforts to assure and improve the quality of care. Thank you again for the opportunity to comment upon the HCFA report.

Sincerely,

Mark D. Shugarman

Mark D. Shugarman
Senior Vice President, C.O.O.

MDS:vn

cc: M. E. Dannenberg
F. Deitz
R. W. Fischer
S. Klatsky, M.D.
B. Rubin, M.D.

1825N

BON SECOURS HOSPITAL

2025 W Fayette St
Baltimore, MD 21223

Medicare Provider Number: 210013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,729	9.4	8.8	0.8	14.6	14.6	1.2	20.6	19.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	21	14.3	25.1	*	19.0	28.6	*	28.6	32.2	*
Congestive Heart Failure	140	7.9	12.0	3.6	15.7	19.9	4.0	27.1	26.8	3.7
Pneumonia/Influenza	79	19.0	14.3	5.1	25.3	20.2	5.4	25.3	25.1	4.9
Chronic Obstructive Pulmonary Disease	31	6.5	8.5	*	12.9	14.9	*	16.1	20.3	*
Transient Cerebral Ischemia	29	0.0	1.9	*	0.0	4.4	*	3.4	7.1	*
Stroke	97	18.6	17.1	4.8	23.7	23.1	6.0	30.9	27.4	6.6
Hip Fracture	17	11.8	5.5	*	17.6	10.3	*	29.4	13.9	*
Sepsis	29	27.6	26.4	*	31.0	37.1	*	31.0	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	3.6	*	27.3	7.2	*	27.3	10.5	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	10	0.0	2.1	*	0.0	4.3	*	10.0	6.1	*
Open Reduction of Hip Fracture	7	14.3	4.1	*	14.3	7.9	*	28.6	10.5	*
Prostatectomy	73	2.7	1.3	2.0	2.7	3.1	2.2	6.8	5.2	2.9
Cholecystectomy	13	7.7	2.1	*	7.7	3.8	*	7.7	5.0	*
Hysterectomy	7	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	192
Occupancy Rate	81
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	189
Percent of Physicians Board Certified Specialists	62
Medical Residents/Interns	0
Registered Nurses	81
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BON SECOURS HOSPITAL

Medicare Provider Number: 210013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,813	9.0	8.9	1.1	16.2	14.7	1.7	20.4	19.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	30	33.3	22.4	*	33.3	25.2	*	33.3	28.3	*
Congestive Heart Failure	138	8.0	14.1	4.3	20.3	22.4	4.2	27.5	29.1	4.4
Pneumonia/Influenza	84	22.6	16.4	6.7	31.0	22.9	8.0	36.9	27.9	9.2
Chronic Obstructive Pulmonary Disease	25	12.0	8.6	*	12.0	15.2	*	12.0	20.7	*
Transient Cerebral Ischemia	42	4.8	1.7	*	14.3	3.8	*	21.4	5.9	*
Stroke	45	11.1	15.3	*	13.3	21.6	*	17.8	25.9	*
Hip Fracture	26	11.5	5.2	*	15.4	9.7	*	19.2	12.8	*
Sepsis	15	26.7	24.0	*	33.3	30.3	*	33.3	35.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.9	*	25.0	7.9	*	25.0	11.8	*
Carotid Endarterectomy	6	0.0	1.3	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	13	7.7	3.0	*	7.7	5.8	*	15.4	8.0	*
Open Reduction of Hip Fracture	15	13.3	4.9	*	20.0	9.6	*	20.0	13.0	*
Prostatectomy	105	1.0	1.5	1.3	1.0	3.8	3.4	6.7	6.4	2.7
Cholecystectomy	11	27.3	6.3	*	27.3	12.2	*	27.3	16.5	*
Hysterectomy	6	0.0	1.6	*	0.0	3.5	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,698	8.9	10.1	0.9	16.0	16.2	0.9	21.5	20.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	39	20.5	26.5	*	23.1	29.8	*	28.2	33.2	*
Congestive Heart Failure	136	11.0	15.1	5.6	19.9	24.0	5.7	29.4	31.1	4.5
Pneumonia/Influenza	63	15.9	17.6	6.4	22.2	23.5	5.5	25.4	28.3	6.3
Chronic Obstructive Pulmonary Disease	36	2.8	13.1	*	13.9	21.1	*	19.4	26.7	*
Transient Cerebral Ischemia	34	0.0	2.0	*	5.9	4.4	*	5.9	7.0	*
Stroke	65	21.5	18.4	6.3	26.2	25.1	7.2	33.8	29.7	8.1
Hip Fracture	17	0.0	5.0	*	11.8	9.1	*	11.8	12.0	*
Sepsis	13	23.1	30.3	*	38.5	39.7	*	38.5	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.4	*	0.0	7.3	*	0.0	10.8	*
Carotid Endarterectomy	10	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	11	0.0	3.6	*	0.0	6.9	*	0.0	9.1	*
Open Reduction of Hip Fracture	6	0.0	4.6	*	16.7	8.5	*	16.7	11.2	*
Prostatectomy	55	0.0	1.1	1.6	1.8	2.5	2.2	3.6	4.1	2.7
Cholecystectomy	23	4.3	6.7	*	21.7	11.9	*	21.7	15.1	*
Hysterectomy	3	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CALVERT MEMORIAL HOSPITAL

Routes 2 & 3
Prince Frederick, MD 20678

Medicare Provider Number: 210039

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	906	8.8	8.2	1.2	13.6	12.8	1.8	17.2	16.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	34	23.5	21.3	*	26.5	24.1	*	26.5	27.4	*
Congestive Heart Failure	40	17.5	15.3	*	27.5	24.9	*	40.0	32.8	*
Pneumonia/Influenza	33	18.2	13.0	*	27.3	18.1	*	27.3	22.4	*
Chronic Obstructive Pulmonary Disease	38	18.4	8.4	*	26.3	14.8	*	36.8	20.2	*
Transient Cerebral Ischemia	11	0.0	1.3	*	0.0	2.9	*	0.0	4.7	*
Stroke	42	19.0	16.8	*	26.2	22.4	*	31.0	26.8	*
Hip Fracture	16	6.3	4.2	*	6.3	8.4	*	12.5	11.6	*
Sepsis	6	33.3	31.7	*	33.3	38.0	*	50.0	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.2	*	0.0	4.4	*	0.0	6.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	1.8	*	16.7	3.9	*	16.7	5.9	*
Open Reduction of Hip Fracture	7	0.0	4.7	*	0.0	9.5	*	0.0	13.3	*
Prostatectomy	34	0.0	1.4	*	5.9	3.5	*	5.9	6.0	*
Cholecystectomy	12	0.0	4.0	*	8.3	7.6	*	16.7	10.2	*
Hysterectomy	5	0.0	2.4	*	0.0	5.2	*	0.0	7.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	121
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	62
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	103
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CALVERT MEMORIAL HOSPITAL

Medicare Provider Number: 210039

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	925	8.8	8.8	0.9	13.5	13.5	1.2	16.9	17.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	37	37.8	27.2	*	43.2	30.9	*	51.4	34.9	*
Congestive Heart Failure	39	17.9	15.0	*	25.6	23.3	*	28.2	30.0	*
Pneumonia/Influenza	41	12.2	13.1	*	24.4	18.2	*	26.8	22.5	*
Chronic Obstructive Pulmonary Disease	37	2.7	8.2	*	5.4	14.1	*	13.5	19.5	*
Transient Cerebral Ischemia	19	0.0	1.8	*	0.0	3.8	*	5.3	6.0	*
Stroke	29	13.8	19.5	*	13.8	25.7	*	13.8	30.4	*
Hip Fracture	20	0.0	5.2	*	5.0	10.1	*	10.0	13.6	*
Sepsis	7	28.6	31.6	*	28.6	39.6	*	28.6	46.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	12.8	*	25.0	16.5	*	25.0	20.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	2.4	*	0.0	4.7	*	0.0	6.6	*
Open Reduction of Hip Fracture	9	0.0	5.2	*	0.0	10.8	*	0.0	15.1	*
Prostatectomy	37	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy	10	0.0	4.4	*	0.0	8.1	*	0.0	11.1	*
Hysterectomy	7	0.0	0.9	*	0.0	2.2	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	868	8.5	8.9	1.0	13.5	13.5	1.2	16.4	17.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	22	9.1	24.7	*	9.1	28.2	*	18.2	32.2	*
Congestive Heart Failure	31	16.1	17.1	*	25.8	26.2	*	38.7	33.5	*
Pneumonia/Influenza	32	18.8	17.7	*	31.3	24.3	*	37.5	29.4	*
Chronic Obstructive Pulmonary Disease	38	7.9	12.0	*	18.4	19.8	*	23.7	25.5	*
Transient Cerebral Ischemia	13	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke	40	20.0	21.6	*	30.0	27.7	*	30.0	32.4	*
Hip Fracture	18	5.6	4.9	*	11.1	9.4	*	11.1	12.7	*
Sepsis	7	0.0	37.6	*	28.6	47.3	*	42.9	53.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.3	*	0.0	4.6	*	0.0	6.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	2.9	*	14.3	5.4	*	14.3	7.2	*
Open Reduction of Hip Fracture	5	0.0	3.7	*	0.0	7.2	*	0.0	9.8	*
Prostatectomy	32	0.0	1.0	*	3.1	2.5	*	3.1	4.2	*
Cholecystectomy	16	6.3	2.8	*	6.3	4.4	*	6.3	5.4	*
Hysterectomy	5	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

49.1

CMH
CALVERT MEMORIAL HOSPITAL

100 Hospital Road
Prince Frederick MD 20678
(301) 535-[illegible]

Medicare Provider #210039

MEDICARE HOSPITAL MORTALITY INFORMATION COMMENTS:

The Mortality Data provided by the Health Care Financing Administration for federal fiscal year 1989 has been analyzed at Calvert Memorial Hospital. The data was found to be accurate and significant. Mortality review is an established ongoing quality of care mechanism which has assisted practitioners at Calvert Memorial Hospital to evaluate appropriatness of services, treatment and intervention within this institution. The cumulative data was significant in that it was validated by Calvert Memorials internal mortality studies and presented a statistical model which could be used for further evaluation of services within the institution and community.

The condition and procedure specific data was less significant due to the statistical irrelevance of the small sample sizes. Because all mortalities are reviewed, CMH was able to research those diagnostic specific cases where the patient expired at CMH.

As a result of our analysis of the 906 selected Medicare admissions, the following information can be recognized:

1. 191 mortalities were identified that occurred up to and including 182 days post admission of the selected cases; of these 191 mortalities:
    a. 109 or 57% expired while hospitalized at CMH during the selected admission or on a subsequent admission within the 182 day period.
    b. 51 or 47% of those 109 cases expired as a result of a terminal or end stage disease.
    c. 58 or 53% of those 109 cases expired as a result of acute illness (ie. Sepsis, M.I.) and were treated appropriately.
    d. 82 or 75% of those 109 case were identified as having a "Do Not Resuscitate" or "No Code" order established.
    e. The average age of these 109 patients was 80 years old.

2. Of the 191 mortalities, 82 or 43% expired after the selected admission outside of Calvert Memorial Hospital. Review of available patient mortality information noted that the mortality occurred while the patient was a nursing home resident, at the patients own home, or at a tertiary healthcare institution.

In conclusion, we thank you for this opportunity to comment on this data. The statistical data provided is a tool which can encourage further study if a need is identified. Calvert Memorial Hospital strives to focus on the quality of care provided daily and readily seeks improvement.

Respectfully submitted,

James J Xinis

James J. Xinis, President
and CEO

1/15/91
/sm

CARROLL COUNTY GENERAL HOSPITAL

Memorial Ave
Westminster, MD 21157

Medicare Provider Number: 210033

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,780	8.7	7.9	0.9	14.3	12.2	1.2	17.3	15.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	96	17.7	24.1	6.0	20.8	27.2	6.1	22.9	31.0	6.9
Congestive Heart Failure	88	15.9	12.4	4.5	27.3	19.6	8.2	31.8	26.0	8.2
Pneumonia/Influenza	80	18.8	12.9	6.5	28.7	18.3	8.2	31.3	22.7	7.7
Chronic Obstructive Pulmonary Disease	29	6.9	6.5	*	27.6	12.7	*	37.9	18.3	*
Transient Cerebral Ischemia	26	3.8	1.2	*	3.8	2.6	*	7.7	4.2	*
Stroke	61	14.8	18.6	5.6	29.5	25.2	6.1	31.1	29.7	6.8
Hip Fracture	57	5.3	3.9	3.1	8.8	7.6	4.1	10.5	10.5	4.1
Sepsis	15	26.7	25.1	*	33.3	33.0	*	40.0	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	41	4.9	3.4	*	9.8	7.0	*	12.2	10.0	*
Open Reduction of Hip Fracture	13	0.0	3.1	*	0.0	6.1	*	0.0	8.5	*
Prostatectomy	95	0.0	0.9	1.6	2.1	2.1	2.4	5.3	3.5	3.5
Cholecystectomy	39	2.6	2.3	*	7.7	4.5	*	7.7	6.2	*
Hysterectomy	15	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	118
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	92
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	124
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CARROLL COUNTY GENERAL HOSPITAL

Medicare Provider Number: 210033

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,671	11.1	8.8	1.1	16.5	13.2	1.1	20.1	16.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	96	30.2	23.9	9.4	31.3	26.9	9.1	35.4	30.2	8.8
Congestive Heart Failure	87	20.7	14.2	7.4	28.7	21.7	8.2	34.5	28.1	8.5
Pneumonia/Influenza	64	17.2	15.3	4.9	28.1	21.0	7.2	31.3	25.4	7.9
Chronic Obstructive Pulmonary Disease	32	6.3	5.6	*	12.5	10.1	*	25.0	14.3	*
Transient Cerebral Ischemia	26	0.0	1.6	*	0.0	3.6	*	0.0	5.7	*
Stroke	93	25.8	18.2	7.2	31.2	25.1	6.7	35.5	29.5	7.0
Hip Fracture	58	3.4	4.3	3.5	13.8	8.5	5.1	17.2	11.6	6.7
Sepsis	25	20.0	23.9	*	28.0	30.6	*	28.0	36.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	0.0	2.7	*	0.0	5.6	*	4.3	7.8	*
Open Reduction of Hip Fracture	16	0.0	3.5	*	18.8	7.2	*	18.8	10.1	*
Prostatectomy	73	0.0	1.2	1.7	1.4	3.0	2.5	4.1	4.8	3.6
Cholecystectomy	24	8.3	2.5	*	8.3	5.0	*	8.3	6.9	*
Hysterectomy	12	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,621	10.5	9.3	0.9	16.9	13.7	1.8	20.1	17.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	109	22.9	27.9	7.2	27.5	31.2	7.8	29.4	35.0	7.2
Congestive Heart Failure	95	13.7	16.2	4.8	25.3	24.2	4.8	32.6	31.1	5.1
Pneumonia/Influenza	50	20.0	17.8	*	24.0	24.0	*	32.0	28.9	*
Chronic Obstructive Pulmonary Disease	33	6.1	5.6	*	12.1	10.4	*	18.2	14.8	*
Transient Cerebral Ischemia	35	2.9	2.2	*	5.7	5.0	*	5.7	8.1	*
Stroke	62	22.6	19.5	5.7	27.4	26.5	5.9	30.6	30.9	6.1
Hip Fracture	47	8.5	6.0	*	10.6	11.3	*	12.8	14.9	*
Sepsis	22	27.3	23.3	*	27.3	31.5	*	36.4	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	54.7	*	100.0	65.5	*	100.0	71.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	26	7.7	3.9	*	7.7	7.5	*	7.7	10.0	*
Open Reduction of Hip Fracture	7	14.3	4.8	*	14.3	9.4	*	14.3	12.6	*
Prostatectomy	89	2.2	1.2	2.0	4.5	2.7	2.7	5.6	4.2	3.0
Cholecystectomy	21	0.0	3.4	*	0.0	5.2	*	0.0	6.3	*
Hysterectomy	17	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CHILDRENS HOSPITAL INC

3825 Greenspring Ave
Baltimore, MD 21211

Medicare Provider Number: 210031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	346	0.6	1.4	1.0	1.2	3.0	1.6	3.2	4.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	4	0.0	5.4	*	0.0	10.0	*	0.0	13.6	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	76	1.3	1.0	1.3	2.6	1.9	1.8	2.6	2.8	2.3
Open Reduction of Hip Fracture	3	0.0	5.6	*	0.0	10.8	*	0.0	15.0	*
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	68
Occupancy Rate	59
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	154
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	75
Licensed Practical Nurses	3

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CHILDRENS HOSPITAL INC

Medicare Provider Number: 210031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	338	0.0	1.6	0.9	0.6	3.4	1.4	1.8	5.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	1	0.0	4.8	*	0.0	8.9	*	0.0	13.0	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	7	0.0	4.0	*	0.0	8.0	*	14.3	10.9	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	63	0.0	1.2	1.8	0.0	2.2	2.7	1.6	3.1	2.5
Open Reduction of Hip Fracture	1	0.0	2.9	*	0.0	5.7	*	0.0	7.8	*
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	306	0.0	0.9	*	0.0	1.8	*	0.0	2.7	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	4	0.0	6.6	*	0.0	13.0	*	0.0	17.4	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	72	0.0	1.0	*	0.0	2.0	*	0.0	2.7	*
Open Reduction of Hip Fracture	1	0.0	5.8	*	0.0	12.7	*	0.0	18.0	*
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CHURCH HOSPITAL CORPORATION

100 N Broadway
Baltimore, MD 21231

Medicare Provider Number: 210026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,122	9.2	9.7	1.0	14.7	15.3	0.9	19.4	19.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	50	24.0	25.3	*	26.0	28.7	*	28.0	32.1	*
Congestive Heart Failure	140	12.9	14.4	3.1	26.4	22.8	3.8	37.9	30.0	4.6
Pneumonia/Influenza	79	27.8	15.9	6.8	32.9	22.1	6.9	36.7	26.9	7.0
Chronic Obstructive Pulmonary Disease	32	9.4	10.8	*	12.5	17.2	*	15.6	22.6	*
Transient Cerebral Ischemia	28	0.0	1.7	*	0.0	3.8	*	3.6	6.1	*
Stroke	82	13.4	19.2	5.5	20.7	25.8	5.4	31.7	30.3	5.1
Hip Fracture	36	2.8	5.6	*	8.3	10.2	*	13.9	13.4	*
Sepsis	39	15.4	27.5	*	33.3	37.4	*	41.0	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	4.7	*	12.5	10.4	*	18.8	15.7	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	17	0.0	2.8	*	0.0	5.4	*	5.9	7.6	*
Open Reduction of Hip Fracture	22	4.5	5.5	*	13.6	10.5	*	18.2	13.9	*
Prostatectomy	77	1.3	1.6	1.8	5.2	3.9	3.0	9.1	6.5	4.8
Cholecystectomy	26	0.0	4.1	*	7.7	7.8	*	15.4	10.5	*
Hysterectomy	18	5.6	1.6	*	11.1	3.3	*	11.1	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	216
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	217
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	145
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CHURCH HOSPITAL CORPORATION

Medicare Provider Number: 210026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,127	9.5	7.9	0.8	15.0	12.6	0.9	18.6	16.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	50	18.0	23.0	*	20.0	25.7	*	20.0	28.6	*
Congestive Heart Failure	154	14.3	13.0	3.0	22.7	20.7	3.8	30.5	27.3	6.1
Pneumonia/Influenza	76	18.4	15.1	6.5	28.9	21.2	7.8	31.6	26.0	6.6
Chronic Obstructive Pulmonary Disease	26	0.0	7.8	*	0.0	12.7	*	3.8	17.1	*
Transient Cerebral Ischemia	31	6.5	1.6	*	9.7	3.4	*	9.7	5.4	*
Stroke	67	22.4	14.7	7.7	25.4	20.5	7.3	29.9	24.7	6.9
Hip Fracture	20	5.0	5.7	*	5.0	10.5	*	5.0	13.5	*
Sepsis	43	34.9	22.4	*	41.9	31.3	*	48.8	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.0	*	0.0	4.3	*	0.0	6.8	*
Carotid Endarterectomy	3	0.0	1.1	*	33.3	2.1	*	33.3	3.0	*
Hip Replacement/Reconstruction	16	0.0	3.9	*	0.0	7.4	*	0.0	9.8	*
Open Reduction of Hip Fracture	5	0.0	5.0	*	0.0	9.4	*	0.0	12.3	*
Prostatectomy	71	0.0	1.4	2.0	2.8	3.1	2.2	4.2	5.0	3.0
Cholecystectomy	31	3.2	2.2	*	6.5	4.1	*	6.5	5.5	*
Hysterectomy	11	0.0	1.2	*	0.0	2.3	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,109	9.1	8.9	0.8	13.9	14.1	0.8	18.0	18.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	58	25.9	25.5	6.2	25.9	28.8	6.5	25.9	32.0	8.5
Congestive Heart Failure	114	9.6	15.0	6.0	17.5	22.8	7.2	23.7	29.4	8.6
Pneumonia/Influenza	66	10.6	16.9	7.2	13.6	23.3	8.8	16.7	28.4	9.2
Chronic Obstructive Pulmonary Disease	56	7.1	12.0	6.4	16.1	19.6	6.6	26.8	25.1	6.1
Transient Cerebral Ischemia	42	2.4	1.9	*	7.1	4.1	*	11.9	6.6	*
Stroke	66	13.6	18.3	7.3	18.2	24.6	10.5	21.2	28.9	12.1
Hip Fracture	27	3.7	6.6	*	7.4	11.8	*	18.5	15.2	*
Sepsis	43	30.2	29.2	*	41.9	39.1	*	46.5	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	20.0	5.4	*	20.0	8.3	*	20.0	11.3	*
Carotid Endarterectomy	1	100.0	0.8	*	100.0	1.3	*	100.0	1.8	*
Hip Replacement/Reconstruction	12	0.0	2.8	*	0.0	5.0	*	0.0	6.5	*
Open Reduction of Hip Fracture	9	0.0	7.9	*	0.0	14.6	*	0.0	19.0	*
Prostatectomy	61	0.0	1.3	1.9	1.6	3.2	2.6	3.3	5.2	3.2
Cholecystectomy	43	4.7	2.7	*	9.3	5.3	*	9.3	7.4	*
Hysterectomy	10	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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CHURCH
HOSPITAL

January 15, 1991

Gail R. Wilensky, Ph.D.,
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Wilensky:

This is in response to the 1989 mortality statistics dated December 6, 1990. Church Hospital has analyzed the statistical mortality report for calendar year 1989. In general, we agree with the statistics.

Church Hospital reviews mortality cases as part of its quality assurance program. The observed rates were found not to be statistically different from the predicted.

Thank you for allowing us this opportunity to respond to the report.

Sincerely,

Ann Failing

Ann Failing, R.N.
Vice President

AF:sbb

DOCTORS COMMUNITY HOSPITAL

8118 Good Luck Rd
Lanham, MD 20801

Medicare Provider Number: 210051

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,919	8.3	8.1	0.8	13.2	12.6	0.8	17.0	16.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	42	28.6	22.5	*	31.0	25.8	*	35.7	29.3	*
Congestive Heart Failure	121	13.2	12.6	3.1	20.7	20.5	3.7	26.4	27.2	4.1
Pneumonia/Influenza	88	18.2	14.9	6.6	25.0	20.5	7.7	29.5	25.1	9.3
Chronic Obstructive Pulmonary Disease	26	7.7	6.8	*	19.2	11.3	*	19.2	15.2	*
Transient Cerebral Ischemia	50	2.0	1.7	*	2.0	3.6	*	10.0	5.7	*
Stroke	69	18.8	18.0	5.6	27.5	24.1	7.4	33.3	28.5	10.7
Hip Fracture	61	8.2	4.7	4.0	13.1	8.9	6.5	18.0	12.0	9.6
Sepsis	26	26.9	31.5	*	30.8	40.5	*	38.5	47.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	4.4	*	0.0	8.9	*	0.0	13.1	*
Carotid Endarterectomy	20	0.0	1.3	*	0.0	2.5	*	5.0	3.7	*
Hip Replacement/Reconstruction	31	3.2	2.3	*	9.7	4.4	*	9.7	6.0	*
Open Reduction of Hip Fracture	36	8.3	4.4	*	11.1	8.8	*	19.4	12.0	*
Prostatectomy	77	0.0	1.2	1.6	3.9	3.0	2.3	6.5	5.0	3.0
Cholecystectomy	33	3.0	3.6	*	6.1	6.2	*	9.1	7.9	*
Hysterectomy	11	0.0	2.0	*	9.1	4.7	*	9.1	7.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	250
Occupancy Rate	76
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	251
Percent of Physicians Board Certified Specialists	45
Medical Residents/Interns	0
Registered Nurses	185
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DOCTORS COMMUNITY HOSPITAL

Medicare Provider Number: 210051

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,696	8.6	8.4	0.7	14.3	12.9	1.0	17.5	16.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	48	47.9	26.2	*	50.0	29.5	*	52.1	33.0	*
Congestive Heart Failure	113	18.6	14.5	7.0	26.5	22.4	10.6	26.5	29.0	9.7
Pneumonia/Influenza	74	16.2	16.7	4.4	23.0	22.7	5.3	29.7	27.5	6.2
Chronic Obstructive Pulmonary Disease	21	0.0	8.1	*	0.0	13.4	*	9.5	18.0	*
Transient Cerebral Ischemia	36	0.0	1.5	*	0.0	3.3	*	0.0	5.2	*
Stroke	55	14.5	19.4	6.3	27.3	25.8	6.0	30.9	30.4	6.8
Hip Fracture	34	8.8	5.4	*	11.8	10.0	*	17.6	13.3	*
Sepsis	20	30.0	27.6	*	35.0	35.2	*	40.0	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.2	*	0.0	4.4	*	0.0	6.7	*
Carotid Endarterectomy	14	0.0	1.6	*	7.1	3.3	*	7.1	4.9	*
Hip Replacement/Reconstruction	19	5.3	2.9	*	5.3	5.5	*	10.5	7.5	*
Open Reduction of Hip Fracture	19	5.3	4.9	*	10.5	9.7	*	15.8	13.3	*
Prostatectomy	58	3.4	1.6	2.5	5.2	3.6	3.0	5.2	5.6	3.6
Cholecystectomy	43	7.0	3.0	*	9.3	5.0	*	11.6	6.2	*
Hysterectomy	15	0.0	0.9	*	0.0	1.8	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,582	9.2	8.4	1.0	14.4	13.1	1.0	18.5	16.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	30	20.0	23.0	*	23.3	26.5	*	33.3	29.8	*
Congestive Heart Failure	101	17.8	15.9	4.0	24.8	24.6	4.3	31.7	31.7	4.9
Pneumonia/Influenza	74	20.3	15.3	5.9	23.0	20.8	6.7	25.7	25.5	6.1
Chronic Obstructive Pulmonary Disease	22	13.6	12.1	*	27.3	19.9	*	31.8	26.0	*
Transient Cerebral Ischemia	29	3.4	1.9	*	10.3	3.9	*	17.2	6.1	*
Stroke	57	29.8	22.9	8.8	33.3	29.2	8.7	38.6	33.7	9.2
Hip Fracture	22	9.1	7.5	*	13.6	13.5	*	22.7	17.3	*
Sepsis	12	25.0	29.7	*	50.0	36.9	*	58.3	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	3.4	*	11.1	7.2	*	11.1	10.8	*
Carotid Endarterectomy	5	0.0	1.5	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	16	0.0	1.7	*	0.0	3.2	*	6.3	4.3	*
Open Reduction of Hip Fracture	14	7.1	7.6	*	14.3	14.0	*	21.4	18.0	*
Prostatectomy	78	0.0	1.0	1.3	1.3	2.3	1.9	1.3	3.8	2.8
Cholecystectomy	30	6.7	3.2	*	6.7	5.5	*	6.7	7.0	*
Hysterectomy	11	0.0	0.5	*	9.1	1.2	*	9.1	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DORCHESTER GENERAL HOSPITAL

300 Byrn St Box 439
Cambridge, MD 21613

Medicare Provider Number: 210010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	867	10.3	8.6	1.3	14.1	13.6	1.2	17.6	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	31	41.9	22.8	*	41.9	25.6	*	45.2	28.9	*
Congestive Heart Failure	58	19.0	13.4	5.4	25.9	21.3	5.8	32.8	28.2	6.7
Pneumonia/Influenza	42	16.7	11.6	*	16.7	16.6	*	19.0	20.6	*
Chronic Obstructive Pulmonary Disease	22	4.5	8.9	*	18.2	15.0	*	18.2	20.3	*
Transient Cerebral Ischemia	13	0.0	1.5	*	0.0	3.3	*	0.0	5.2	*
Stroke	43	14.0	14.0	*	16.3	20.5	*	27.9	24.8	*
Hip Fracture	18	0.0	5.1	*	0.0	9.5	*	0.0	12.7	*
Sepsis	12	25.0	31.0	*	41.7	37.6	*	41.7	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.5	*	0.0	3.0	*	0.0	4.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	8.0	*	14.3	17.0	*	14.3	23.2	*
Open Reduction of Hip Fracture	12	0.0	4.7	*	0.0	9.0	*	0.0	12.1	*
Prostatectomy	36	5.6	2.4	*	5.6	5.2	*	8.3	8.1	*
Cholecystectomy	10	10.0	3.0	*	10.0	6.0	*	10.0	8.3	*
Hysterectomy	4	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	114
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	35
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	99
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DORCHESTER GENERAL HOSPITAL

Medicare Provider Number: 210010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	873	11.0	8.6	1.4	16.3	13.8	1.6	20.2	17.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	29	31.0	25.0	*	34.5	28.6	*	34.5	32.3	*
Congestive Heart Failure	71	14.1	14.0	4.1	21.1	22.0	5.1	31.0	28.6	6.3
Pneumonia/Influenza	27	22.2	15.6	*	25.9	22.3	*	25.9	27.4	*
Chronic Obstructive Pulmonary Disease	15	6.7	4.6	*	20.0	9.1	*	33.3	13.1	*
Transient Cerebral Ischemia	13	0.0	1.3	*	7.7	2.7	*	15.4	4.2	*
Stroke	30	26.7	18.4	*	33.3	25.5	*	40.0	30.2	*
Hip Fracture	21	0.0	5.4	*	0.0	10.2	*	4.8	13.5	*
Sepsis	2	50.0	53.5	*	100.0	63.7	*	100.0	71.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	2.2	*	25.0	5.0	*	25.0	7.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	2.7	*	12.5	5.3	*	12.5	7.2	*
Open Reduction of Hip Fracture	12	0.0	4.4	*	0.0	8.5	*	0.0	11.4	*
Prostatectomy	29	0.0	1.6	*	3.4	3.9	*	3.4	6.5	*
Cholecystectomy	11	0.0	2.2	*	9.1	4.1	*	9.1	5.5	*
Hysterectomy	5	0.0	0.9	*	0.0	1.8	*	20.0	2.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	924	11.5	9.6	1.4	16.3	14.8	1.3	19.6	18.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	24	16.7	31.5	*	25.0	35.3	*	25.0	39.1	*
Congestive Heart Failure	76	22.4	14.1	9.0	26.3	21.2	8.2	31.6	27.4	7.1
Pneumonia/Influenza	37	21.6	16.9	*	29.7	23.7	*	32.4	28.8	*
Chronic Obstructive Pulmonary Disease	15	13.3	10.4	*	26.7	17.3	*	26.7	22.7	*
Transient Cerebral Ischemia	16	12.5	2.3	*	12.5	4.9	*	18.8	7.9	*
Stroke	43	27.9	20.3	*	39.5	27.2	*	41.9	31.6	*
Hip Fracture	23	4.3	8.7	*	4.3	15.3	*	8.7	19.5	*
Sepsis	1	0.0	34.3	*	0.0	41.2	*	0.0	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.3	*	0.0	6.0	*	0.0	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	4.5	*	0.0	8.1	*	0.0	10.6	*
Open Reduction of Hip Fracture	14	7.1	7.7	*	7.1	14.2	*	14.3	18.3	*
Prostatectomy	26	3.8	1.3	*	3.8	3.1	*	7.7	5.0	*
Cholecystectomy	13	0.0	2.5	*	0.0	4.4	*	0.0	5.4	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

59.1

DORCHESTER GENERAL HOSPITAL, INC.
Post Office Box 439
Cambridge, Maryland 21613
(301-228-5511)

January 11, 1991
Medicare Provider No. 21-0010

Health Care Financing Administration
Health Standards and Quality Bureau
Att: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

In reviewing the mortality information released for comment in December 1990, we noted three discrepancies in the date of discharge and one case in which the cited admission was not the patient's final admission. Corrective action attached.

All deaths which occur within the hospital are subjected to physician review for evaluation of the quality of care rendered. The records of patients who died within thirty days of discharge will be subjected to physician review to identify any issues with the quality of care. Initial evaluation of these records shows that of the twenty-eight patients who died within thirty days of discharge, twenty (71%) were discharged to extended care facilities, other acute care hospitals or under the care of community hospice program. This percentage is consistent with what we have seen in past monitoring period (1987 81%, 1988 73%), and review of past records has indicated follow-up care was appropriate.

Due to the small number of cases in most diagnostic/procedural categories, only the category of "all cases" and "congestive heart failure" could be subjected to evaluation using a statistical confidence interval. This evaluation indicates the experience of patients admitted to Dorchester General Hospital in these categories rests approximately one standard deviation from the predicted rate and is not significantly different from that of patients admitted to other hospitals. Therefore, further evaluation in these categories is not planned.

A VERY SPECIAL HOSPITAL

DORCHESTER GENERAL HOSPITAL, INC.
Post Office Box 439
Cambridge, Maryland 21613
(301-228-5511)

Health Care financing Administration
January 11, 1991
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Should you have any questions about the corrections, please contact Sue Davis, RN, MS, Director of Quality Assurance.

Sincerely,

Alan B Malnak, Jr.
Alan B. Malnak, Jr.
Administrator

CC: Steven Summer
Maryland Hospital Association

EDWARD W MCCREADY MEMORIAL HOSPITAL

201 Hall Highway
Crisfield, MD 21817

Medicare Provider Number: 210045

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	228	7.5	8.5	3.6	11.8	13.4	4.1	15.4	17.5	3.9
CONDITIONS:										
Acute Myocardial Infarction	5	40.0	29.2	*	40.0	33.4	*	40.0	38.6	*
Congestive Heart Failure	22	13.6	12.4	*	18.2	20.1	*	22.7	26.7	*
Pneumonia/Influenza	17	11.8	12.8	*	17.6	18.2	*	23.5	22.7	*
Chronic Obstructive Pulmonary Disease	5	20.0	8.6	*	20.0	16.0	*	20.0	22.3	*
Transient Cerebral Ischemia	4	0.0	2.6	*	0.0	6.3	*	0.0	10.3	*
Stroke	8	12.5	18.0	*	25.0	25.1	*	37.5	30.3	*
Hip Fracture	1	0.0	5.0	*	0.0	9.0	*	0.0	12.3	*
Sepsis	3	100.0	21.4	*	100.0	26.5	*	100.0	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	4.4	*	0.0	8.3	*	0.0	11.5	*
Prostatectomy	6	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	6	0.0	3.2	*	0.0	6.8	*	0.0	9.7	*
Hysterectomy	8	0.0	0.8	*	12.5	2.0	*	12.5	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	41
Occupancy Rate	66
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	15
Percent of Physicians Board Certified Specialists	33
Medical Residents/Interns	0
Registered Nurses	23
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

EDWARD W MCCREADY MEMORIAL HOSPITAL

Medicare Provider Number: 210045

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	270	8.9	9.1	1.9	12.6	13.5	2.2	15.2	17.0	3.1
CONDITIONS:										
Acute Myocardial Infarction	8	50.0	28.2	*	50.0	31.8	*	50.0	35.9	*
Congestive Heart Failure	15	26.7	16.3	*	40.0	25.7	*	40.0	33.4	*
Pneumonia/Influenza	19	10.5	11.5	*	15.8	15.7	*	15.8	19.3	*
Chronic Obstructive Pulmonary Disease	16	12.5	6.6	*	12.5	11.8	*	12.5	16.4	*
Transient Cerebral Ischemia	4	0.0	2.2	*	0.0	5.2	*	0.0	8.3	*
Stroke	15	20.0	16.7	*	20.0	22.4	*	20.0	26.8	*
Hip Fracture	0									
Sepsis	2	0.0	42.9	*	0.0	51.4	*	0.0	60.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	5	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*
Cholecystectomy	7	0.0	2.5	*	14.3	5.1	*	14.3	7.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	312	8.0	9.0	1.7	12.8	14.0	2.5	19.2	18.1	2.7
CONDITIONS:										
Acute Myocardial Infarction	8	50.0	24.2	*	50.0	27.9	*	50.0	31.6	*
Congestive Heart Failure	14	7.1	15.1	*	21.4	22.8	*	50.0	29.5	*
Pneumonia/Influenza	25	8.0	17.6	*	12.0	23.6	*	16.0	28.6	*
Chronic Obstructive Pulmonary Disease	19	5.3	8.2	*	5.3	14.3	*	10.5	19.2	*
Transient Cerebral Ischemia	16	6.3	2.0	*	12.5	4.7	*	12.5	7.7	*
Stroke	9	22.2	14.4	*	22.2	19.9	*	22.2	23.9	*
Hip Fracture	3	0.0	3.4	*	0.0	6.1	*	0.0	8.2	*
Sepsis	2	0.0	39.1	*	50.0	56.7	*	50.0	65.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	2.5	*	0.0	5.0	*	0.0	7.0	*
Prostatectomy	3	0.0	0.8	*	0.0	1.6	*	0.0	2.5	*
Cholecystectomy	4	0.0	1.9	*	0.0	3.6	*	0.0	4.8	*
Hysterectomy	3	0.0	0.7	*	0.0	1.4	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

EUGENE LELAND MEMORIAL HOSPITAL

4408 Queensbury Road
Riverdale, MD 20737

Medicare Provider Number: 210036

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	651	11.4	11.1	1.5	19.2	16.7	2.2	22.3	21.0	1.8
CONDITIONS:										
Acute Myocardial Infarction	16	43.8	32.2	*	43.8	36.4	*	50.0	39.8	*
Congestive Heart Failure	41	14.6	16.6	*	24.4	25.7	*	26.8	33.0	*
Pneumonia/Influenza	14	14.3	20.4	*	21.4	27.6	*	35.7	32.7	*
Chronic Obstructive Pulmonary Disease	15	13.3	5.5	*	20.0	9.8	*	20.0	13.7	*
Transient Cerebral Ischemia	12	0.0	1.7	*	0.0	3.9	*	0.0	6.2	*
Stroke	27	25.9	18.8	*	44.4	26.0	*	48.1	30.7	*
Hip Fracture	18	5.6	5.6	*	5.6	10.6	*	16.7	14.2	*
Sepsis	11	18.2	28.2	*	27.3	36.7	*	36.4	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.1	*	0.0	3.9	*	0.0	5.7	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	2.9	*	0.0	4.4	*
Hip Replacement/Reconstruction	6	0.0	3.9	*	0.0	7.6	*	16.7	10.5	*
Open Reduction of Hip Fracture	7	14.3	7.2	*	14.3	14.1	*	28.6	19.0	*
Prostatectomy	27	0.0	1.8	*	3.7	4.5	*	3.7	7.5	*
Cholecystectomy	5	0.0	11.2	*	0.0	17.7	*	0.0	20.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	107
Occupancy Rate	79
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	144
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	75
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

EUGENE LELAND MEMORIAL HOSPITAL

Medicare Provider Number: 210036

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	652	11.5	11.4	1.8	15.8	16.6	1.7	20.4	20.7	2.4
CONDITIONS:										
Acute Myocardial Infarction	24	25.0	26.2	*	37.5	29.2	*	45.8	32.4	*
Congestive Heart Failure	48	14.6	15.9	*	20.8	24.6	*	27.1	31.5	*
Pneumonia/Influenza	18	11.1	12.4	*	27.8	17.0	*	27.8	21.0	*
Chronic Obstructive Pulmonary Disease	26	11.5	8.3	*	15.4	13.8	*	23.1	18.8	*
Transient Cerebral Ischemia	8	0.0	2.6	*	0.0	6.1	*	0.0	9.7	*
Stroke	31	22.6	17.4	*	25.8	24.4	*	32.3	28.9	*
Hip Fracture	15	6.7	7.0	*	6.7	12.9	*	13.3	16.6	*
Sepsis	8	37.5	23.9	*	37.5	29.2	*	37.5	34.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.1	*	0.0	4.9	*	0.0	7.8	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	3.5	*	0.0	5.3	*
Hip Replacement/Reconstruction	6	0.0	7.9	*	0.0	15.2	*	0.0	19.9	*
Open Reduction of Hip Fracture	9	0.0	5.4	*	0.0	10.5	*	11.1	14.1	*
Prostatectomy	22	0.0	1.2	*	0.0	2.9	*	0.0	4.7	*
Cholecystectomy	7	0.0	2.4	*	14.3	3.7	*	14.3	4.5	*
Hysterectomy	1	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	735	9.0	10.0	1.1	15.2	14.6	1.4	18.1	18.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	21	33.3	21.3	*	42.9	24.4	*	42.9	27.7	*
Congestive Heart Failure	38	23.7	17.4	*	31.6	25.9	*	42.1	32.7	*
Pneumonia/Influenza	18	0.0	13.4	*	11.1	18.1	*	16.7	22.2	*
Chronic Obstructive Pulmonary Disease	11	27.3	12.8	*	54.5	19.5	*	54.5	24.2	*
Transient Cerebral Ischemia	9	11.1	2.2	*	11.1	4.8	*	22.2	7.7	*
Stroke	35	17.1	20.8	*	37.1	28.4	*	40.0	33.0	*
Hip Fracture	24	4.2	6.7	*	8.3	11.7	*	8.3	14.8	*
Sepsis	13	38.5	28.9	*	38.5	37.5	*	38.5	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	5.3	*	0.0	9.2	*	0.0	12.8	*
Carotid Endarterectomy	1	0.0	2.5	*	0.0	4.6	*	0.0	6.5	*
Hip Replacement/Reconstruction	13	0.0	5.3	*	0.0	9.2	*	0.0	11.6	*
Open Reduction of Hip Fracture	10	10.0	6.2	*	20.0	11.6	*	20.0	15.1	*
Prostatectomy	31	3.2	1.7	*	3.2	4.2	*	3.2	6.9	*
Cholecystectomy	14	0.0	2.4	*	0.0	3.8	*	0.0	4.7	*
Hysterectomy	4	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FALLSTON GENERAL HOSPITAL

200 Milton Ave
Fallston, MD 21047

Medicare Provider Number: 210049

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,540	8.4	8.5	0.9	12.6	13.2	1.5	15.8	17.0	1.8
CONDITIONS:										
Acute Myocardial Infarction	96	24.0	21.2	4.9	31.3	24.9	6.7	35.4	28.4	8.3
Congestive Heart Failure	112	17.9	14.6	4.5	25.9	23.6	4.6	30.4	30.9	5.6
Pneumonia/Influenza	59	6.8	14.3	5.2	10.2	20.0	6.4	11.9	24.4	7.0
Chronic Obstructive Pulmonary Disease	8	12.5	9.1	*	12.5	15.4	*	25.0	19.9	*
Transient Cerebral Ischemia	46	0.0	1.9	*	2.2	4.3	*	2.2	6.8	*
Stroke	71	21.1	21.2	4.9	26.8	27.9	6.0	35.2	32.6	7.6
Hip Fracture	34	11.8	5.5	*	17.6	10.3	*	20.6	13.8	*
Sepsis	9	22.2	20.2	*	33.3	27.8	*	33.3	33.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	4.6	*	0.0	8.5	*	4.3	11.7	*
Carotid Endarterectomy	18	5.6	1.5	*	5.6	2.7	*	11.1	4.1	*
Hip Replacement/Reconstruction	16	6.3	4.5	*	12.5	7.8	*	18.8	10.6	*
Open Reduction of Hip Fracture	20	10.0	5.2	*	15.0	10.1	*	15.0	13.6	*
Prostatectomy	21	4.8	0.8	*	4.8	1.9	*	4.8	3.2	*
Cholecystectomy	34	2.9	3.6	*	2.9	6.4	*	2.9	8.3	*
Hysterectomy	1	0.0	1.5	*	0.0	2.6	*	0.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	152
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	143
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	118
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FALLSTON GENERAL HOSPITAL

Medicare Provider Number: 210049

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,401	7.9	8.6	1.1	12.8	13.5	1.3	16.2	17.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	58	25.9	20.1	8.7	31.0	23.4	9.7	34.5	26.8	8.9
Congestive Heart Failure	81	13.6	17.6	5.8	25.9	27.6	8.1	32.1	35.3	6.0
Pneumonia/Influenza	41	19.5	16.9	*	24.4	23.1	*	26.8	27.6	*
Chronic Obstructive Pulmonary Disease	7	0.0	6.6	*	28.6	11.1	*	28.6	15.4	*
Transient Cerebral Ischemia	35	0.0	1.7	*	2.9	3.8	*	8.6	5.9	*
Stroke	53	13.2	19.0	9.2	17.0	25.7	11.7	20.8	30.4	12.5
Hip Fracture	38	2.6	5.0	*	10.5	9.6	*	15.8	12.9	*
Sepsis	9	11.1	18.6	*	22.2	25.4	*	33.3	30.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	2.6	*	0.0	5.4	*	6.7	8.4	*
Carotid Endarterectomy	13	0.0	1.9	*	0.0	3.7	*	0.0	5.4	*
Hip Replacement/Reconstruction	18	0.0	3.3	*	11.1	6.6	*	16.7	9.1	*
Open Reduction of Hip Fracture	24	4.2	4.2	*	8.3	8.1	*	12.5	11.0	*
Prostatectomy	27	0.0	1.3	*	3.7	3.3	*	3.7	5.5	*
Cholecystectomy	28	3.6	2.9	*	7.1	5.4	*	10.7	6.9	*
Hysterectomy	1	0.0	2.0	*	0.0	5.6	*	0.0	9.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,486	6.9	9.0	1.2	12.2	13.6	1.2	15.9	17.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	85	17.6	25.7	8.8	18.8	29.5	8.7	24.7	33.1	7.8
Congestive Heart Failure	74	8.1	16.8	7.5	16.2	25.6	8.1	25.7	32.6	7.4
Pneumonia/Influenza	49	12.2	15.3	*	16.3	21.3	*	26.5	25.5	*
Chronic Obstructive Pulmonary Disease	15	13.3	9.7	*	13.3	16.9	*	13.3	22.7	*
Transient Cerebral Ischemia	52	0.0	1.9	6.3	11.5	4.1	5.0	11.5	6.4	5.9
Stroke	37	13.5	26.0	*	24.3	33.1	*	29.7	37.7	*
Hip Fracture	20	0.0	5.0	*	5.0	9.2	*	5.0	12.0	*
Sepsis	18	38.9	26.4	*	44.4	32.4	*	44.4	38.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	7.4	*	9.5	13.5	*	14.3	17.9	*
Carotid Endarterectomy	13	0.0	1.6	*	0.0	2.9	*	7.7	4.2	*
Hip Replacement/Reconstruction	9	0.0	1.5	*	0.0	2.8	*	0.0	3.7	*
Open Reduction of Hip Fracture	15	0.0	4.6	*	6.7	8.7	*	6.7	11.5	*
Prostatectomy	34	2.9	1.1	*	2.9	2.6	*	5.9	4.2	*
Cholecystectomy	35	5.7	3.3	*	11.4	5.9	*	11.4	7.5	*
Hysterectomy	5	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FRANCIS SCOTT KEY MEDICAL CENTER

4940 Eastern Ave
Baltimore, MD 21224

Medicare Provider Number: 210029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,068	12.1	9.0	1.1	17.5	13.6	1.1	21.8	17.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	114	28.9	22.4	4.7	36.0	25.5	5.6	41.2	28.9	6.2
Congestive Heart Failure	115	12.2	13.5	3.3	20.9	21.8	4.7	24.3	28.8	6.3
Pneumonia/Influenza	90	23.3	13.0	5.7	28.9	18.2	6.7	35.6	22.5	7.1
Chronic Obstructive Pulmonary Disease	56	19.6	7.4	7.1	23.2	13.0	7.1	32.1	18.0	7.7
Transient Cerebral Ischemia	27	0.0	1.4	*	0.0	3.1	*	0.0	5.0	*
Stroke	101	23.8	19.2	6.6	28.7	25.1	5.4	30.7	29.4	4.7
Hip Fracture	35	2.9	5.5	*	11.4	10.2	*	17.1	13.5	*
Sepsis	15	13.3	19.6	*	13.3	27.5	*	33.3	33.3	*
PROCEDURES:										
Angioplasty	1	0.0	0.6	*	0.0	0.9	*	0.0	1.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.8	*	0.0	3.5	*	0.0	5.2	*
Carotid Endarterectomy	1	0.0	2.5	*	0.0	6.2	*	0.0	9.7	*
Hip Replacement/Reconstruction	32	0.0	2.6	*	9.4	5.2	*	12.5	7.1	*
Open Reduction of Hip Fracture	20	5.0	5.1	*	15.0	9.7	*	20.0	13.0	*
Prostatectomy	52	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	21	9.5	6.4	*	14.3	12.4	*	14.3	16.5	*
Hysterectomy	5	0.0	2.7	*	0.0	5.7	*	0.0	8.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	564
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	275
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	50
Registered Nurses	377
Licensed Practical Nurses	98

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

FRANCIS SCOTT KEY MEDICAL CENTER

Medicare Provider Number: 210029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,997	12.6	9.8	0.7	18.7	14.7	0.9	22.6	18.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	100	34.0	23.8	5.8	36.0	26.9	6.0	37.0	30.1	5.4
Congestive Heart Failure	87	17.2	14.5	4.6	28.7	23.1	8.5	33.3	30.2	6.9
Pneumonia/Influenza	70	22.9	12.7	5.4	25.7	17.9	5.8	31.4	22.0	6.2
Chronic Obstructive Pulmonary Disease	49	16.3	8.4	*	24.5	14.5	*	32.7	19.6	*
Transient Cerebral Ischemia	24	8.3	1.9	*	8.3	4.2	*	8.3	6.4	*
Stroke	116	22.4	18.6	6.5	31.0	24.7	7.2	32.8	29.0	5.9
Hip Fracture	55	5.5	5.2	6.2	12.7	9.7	5.7	14.5	12.8	5.0
Sepsis	26	46.2	24.2	*	50.0	31.0	*	50.0	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	50.0	11.5	*	50.0	16.4	*	50.0	20.0	*
Carotid Endarterectomy	5	0.0	1.7	*	0.0	3.5	*	0.0	5.3	*
Hip Replacement/Reconstruction	35	5.7	4.4	*	14.3	9.0	*	17.1	12.4	*
Open Reduction of Hip Fracture	25	0.0	4.2	*	4.0	8.2	*	4.0	11.0	*
Prostatectomy	45	0.0	1.7	*	0.0	3.3	*	0.0	4.8	*
Cholecystectomy	20	0.0	3.9	*	0.0	7.1	*	0.0	9.2	*
Hysterectomy	6	0.0	2.0	*	0.0	4.4	*	0.0	6.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,931	12.3	10.8	0.9	18.2	15.9	1.2	22.2	20.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	98	31.6	29.8	5.3	35.7	33.2	6.0	38.8	36.5	5.5
Congestive Heart Failure	110	10.9	16.0	6.5	19.1	24.2	8.4	25.5	30.9	8.4
Pneumonia/Influenza	62	29.0	17.3	8.2	32.3	23.8	8.1	40.3	28.7	8.4
Chronic Obstructive Pulmonary Disease	52	13.5	13.2	7.2	25.0	21.4	10.7	30.8	27.5	11.8
Transient Cerebral Ischemia	29	3.4	2.2	*	3.4	4.8	*	3.4	7.3	*
Stroke	65	15.4	21.6	6.9	26.2	27.9	6.0	32.3	32.5	6.0
Hip Fracture	42	7.1	6.3	*	9.5	11.6	*	16.7	15.2	*
Sepsis	24	62.5	30.7	*	70.8	40.8	*	75.0	47.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	37.5	6.0	*	37.5	11.2	*	37.5	15.2	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	2.7	*	0.0	3.7	*
Hip Replacement/Reconstruction	33	3.0	4.4	*	9.1	8.6	*	12.1	11.7	*
Open Reduction of Hip Fracture	14	14.3	6.0	*	14.3	11.7	*	21.4	15.5	*
Prostatectomy	50	0.0	1.3	*	4.0	3.1	*	4.0	5.1	*
Cholecystectomy	20	15.0	5.1	*	15.0	8.9	*	15.0	11.3	*
Hysterectomy	5	0.0	4.6	*	0.0	6.9	*	0.0	9.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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The
Francis Scott Key
Medical Center

4940 Eastern Avenue/Baltimore, MD 21224
(301) 550-0100

210029

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Ms. Sandra K. Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

RE: Hospital Medicare Provider Number - 210029

Dear Ms. Kappert:

The Francis Scott Key Medical Center is in receipt of 1989 Medicare mortality data. We have reviewed the data and find that Medicare admissions and deaths in our long term care facility's chronic hospital have been inadvertently merged with acute hospital admissions and deaths. We have been in contact with your office concerning this error. Our chronic hospital Medicare provider number was changed July 1, 1989, from 21-0902 to 210029 which is the same as our acute hospital number. The Francis Scott Key Medical Center Chronic Hospital is an integral component of our 233 bed long term care facility. Patients admitted to our chronic hospital are typically older, more frail and sicker than patients admitted to our acute hospital, most having multiple system chronic disease with poor prognosis.

The Francis Scott Key Medical Center reviews mortality data on an ongoing basis as an integral part of our comprehensive quality assurance programs. All deaths, case by case, are reviewed. Since the fall of 1987, The Francis Scott Key Medical Center has participated in the Maryland Hospital Association's, Quality Indicator Project. It is noteworthy that Francis Scott Key's mortality rate (all patients, all ages) has compared favorably to the statewide average on a quarterly basis since the fall of 1987.

JOHNS
HOPKINS
HEALTH
SYSTEM

Mortality data are useful screening tools and are helpful in identifying potential areas that may require further evaluation. It is important to understand, however, that mortality statistics alone may not be used as a direct measure of a hospital's quality performance. The Francis Scott Key Medical Center, for example, 210029

has several distinctive features that serve to attract a patient population with unusual severity of illness. It is significant that The Francis Scott Key Medical Center, formerly named Baltimore City Hospitals (prior to July, 1984), attracts a sicker, indigent patient population. For example, HCFA's Medicare mortality data demonstrate that 96% of patients who died at The Francis Scott Key Medical Center were admitted via the Emergency Department.

We are appreciative of the opportunity to review HCFA mortality information prior to publication. We believe mortality review is an important component of quality assurance efforts. We urge continued refinement and testing of HCFA's statistical modeling, however, in order to measure and account for patients' severity of illness with greater precision.

Please call if further clarification would be helpful.

Sincerely,

Judy A. Reitz

Judy A. Reitz, R.N., Sc.D.
Vice President - Nursing & Clinical Affairs

JAR/vad

FRANKLIN SQUARE HOSPITAL

9000 Franklin Square Dr
Baltimore, MD 21237

Medicare Provider Number: 210015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,996	10.8	8.9	0.9	16.2	14.0	1.1	19.8	18.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	185	28.1	22.1	4.0	31.4	25.8	4.4	33.5	29.4	4.0
Congestive Heart Failure	197	16.8	13.5	3.8	28.4	22.0	4.7	36.0	29.1	5.6
Pneumonia/Influenza	184	20.7	14.2	4.2	27.7	20.0	4.8	32.1	24.7	4.7
Chronic Obstructive Pulmonary Disease	43	16.3	9.3	*	20.9	15.4	*	25.6	20.8	*
Transient Cerebral Ischemia	105	2.9	1.6	2.6	5.7	3.5	3.8	6.7	5.6	3.8
Stroke	164	20.1	15.9	5.6	26.2	22.4	7.2	31.7	26.8	6.7
Hip Fracture	69	8.7	4.4	5.6	13.0	8.3	6.3	14.5	11.2	5.5
Sepsis	48	31.3	24.2	*	33.3	31.8	*	41.7	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	9.5	3.4	*	9.5	6.4	*	14.3	9.2	*
Carotid Endarterectomy	21	0.0	1.6	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	33	3.0	3.3	*	6.1	6.3	*	6.1	8.5	*
Open Reduction of Hip Fracture	39	15.4	3.6	*	20.5	7.2	*	20.5	10.0	*
Prostatectomy	136	0.7	1.1	1.0	1.5	2.6	2.0	2.2	4.4	3.0
Cholecystectomy	69	7.2	2.3	3.6	10.1	4.2	4.5	11.6	5.6	5.0
Hysterectomy	16	0.0	0.9	*	0.0	1.9	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	427
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	455
Percent of Physicians Board Certified Specialists	60
Medical Residents/Interns	82
Registered Nurses	330
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FRANKLIN SQUARE HOSPITAL

Medicare Provider Number: 210015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,970	11.5	9.1	0.6	16.7	14.1	0.7	20.2	18.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	187	25.1	21.1	4.2	29.9	24.5	4.5	34.2	27.9	5.2
Congestive Heart Failure	198	13.1	13.4	2.5	20.7	21.2	3.0	27.3	27.8	3.3
Pneumonia/Influenza	133	17.3	13.8	5.4	26.3	19.3	6.3	27.8	23.7	5.5
Chronic Obstructive Pulmonary Disease	64	10.9	11.0	6.2	21.9	17.5	6.7	25.0	23.0	6.1
Transient Cerebral Ischemia	92	3.3	1.7	2.1	7.6	3.8	3.2	8.7	5.9	3.8
Stroke	170	22.4	17.2	5.1	29.4	23.5	4.8	32.9	27.9	4.7
Hip Fracture	54	5.6	4.4	3.4	18.5	8.4	5.9	22.2	11.2	6.8
Sepsis	28	50.0	27.2	*	53.6	36.3	*	57.1	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.0	*	11.1	7.4	*	11.1	10.5	*
Carotid Endarterectomy	24	8.3	1.7	*	8.3	3.5	*	8.3	5.3	*
Hip Replacement/Reconstruction	24	0.0	2.9	*	20.8	6.0	*	20.8	8.3	*
Open Reduction of Hip Fracture	34	8.8	4.5	*	17.6	8.8	*	20.6	11.9	*
Prostatectomy	138	0.0	1.1	*	0.0	2.5	*	0.7	4.2	*
Cholecystectomy	58	1.7	2.8	2.3	6.9	5.2	3.2	8.6	7.0	4.0
Hysterectomy	21	0.0	0.5	*	0.0	1.1	*	4.8	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,721	10.1	9.3	0.9	15.4	14.2	1.2	18.8	18.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	171	24.6	25.3	3.3	31.6	28.8	3.8	33.9	32.1	3.8
Congestive Heart Failure	190	15.8	15.4	2.7	24.7	23.3	3.7	30.0	29.9	3.9
Pneumonia/Influenza	107	20.6	16.2	5.6	23.4	21.8	4.7	28.0	26.2	4.9
Chronic Obstructive Pulmonary Disease	85	9.4	10.2	3.9	16.5	17.5	5.8	22.4	23.0	4.6
Transient Cerebral Ischemia	104	1.0	1.8	1.5	2.9	3.9	2.1	6.7	6.0	2.5
Stroke	150	18.7	19.2	3.3	23.3	25.9	4.5	28.7	30.3	4.1
Hip Fracture	69	10.1	8.1	4.0	14.5	14.8	4.8	18.8	19.0	4.7
Sepsis	41	31.7	26.4	*	34.1	33.7	*	36.6	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	4.2	*	13.3	7.3	*	13.3	10.2	*
Carotid Endarterectomy	14	0.0	1.7	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	37	5.4	4.2	*	13.5	8.0	*	16.2	10.7	*
Open Reduction of Hip Fracture	47	6.4	7.8	*	8.5	14.8	*	12.8	19.4	*
Prostatectomy	141	0.7	1.1	1.5	5.7	2.6	1.7	7.8	4.3	2.8
Cholecystectomy	91	2.2	2.8	2.1	3.3	4.8	3.0	3.3	6.2	3.6
Hysterectomy	18	0.0	1.0	*	0.0	2.0	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FREDERICK MEMORIAL HOSPITAL

West Seventh St
Frederick, MD 21701

Medicare Provider Number: 210005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,546	9.6	9.4	0.6	14.1	14.5	0.7	17.7	18.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	78	21.8	23.9	6.0	23.1	27.3	6.6	26.9	30.9	7.6
Congestive Heart Failure	137	13.1	14.9	3.2	18.2	23.2	4.6	29.9	30.3	4.0
Pneumonia/Influenza	117	12.8	14.6	3.6	15.4	19.8	5.1	20.5	24.1	5.2
Chronic Obstructive Pulmonary Disease	76	13.2	9.8	5.3	17.1	15.8	5.6	21.1	21.1	4.7
Transient Cerebral Ischemia	22	13.6	1.8	*	18.2	3.9	*	18.2	6.2	*
Stroke	121	14.9	18.7	5.1	19.8	25.6	7.7	24.0	30.1	8.8
Hip Fracture	59	3.4	5.2	3.3	10.2	9.6	4.0	13.6	12.7	5.0
Sepsis	14	21.4	26.0	*	21.4	32.4	*	28.6	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.2	*	0.0	4.1	*	0.0	6.0	*
Carotid Endarterectomy	5	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	34	2.9	2.8	*	8.8	5.5	*	8.8	7.7	*
Open Reduction of Hip Fracture	34	5.9	4.8	*	11.8	9.2	*	17.6	12.3	*
Prostatectomy	151	1.3	1.8	1.2	3.3	4.2	2.1	5.3	7.0	3.2
Cholecystectomy	38	0.0	3.7	*	5.3	6.8	*	5.3	9.2	*
Hysterectomy	14	0.0	1.2	*	7.1	2.6	*	7.1	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	235
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	157
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	293
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FREDERICK MEMORIAL HOSPITAL

Medicare Provider Number: 210005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,434	9.5	9.2	0.7	14.6	14.2	0.9	18.5	18.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	61	21.3	23.9	6.4	23.0	26.8	7.7	24.6	29.9	9.1
Congestive Heart Failure	167	15.6	15.5	3.3	22.2	23.3	4.7	28.1	30.0	4.2
Pneumonia/Influenza	105	18.1	16.7	3.8	22.9	22.9	4.4	25.7	27.7	4.6
Chronic Obstructive Pulmonary Disease	90	7.8	8.3	5.2	16.7	14.1	4.1	18.9	19.2	4.3
Transient Cerebral Ischemia	21	0.0	1.5	*	0.0	3.3	*	14.3	5.2	*
Stroke	81	18.5	18.5	4.3	25.9	25.4	5.6	29.6	30.1	5.2
Hip Fracture	58	6.9	5.2	3.3	12.1	9.6	4.5	12.1	12.6	5.1
Sepsis	25	28.0	23.9	*	36.0	31.8	*	40.0	38.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	2.3	*	4.8	4.6	*	4.8	6.8	*
Carotid Endarterectomy	5	0.0	2.2	*	0.0	4.9	*	0.0	7.3	*
Hip Replacement/Reconstruction	32	0.0	3.0	*	0.0	5.9	*	0.0	8.0	*
Open Reduction of Hip Fracture	33	12.1	4.8	*	18.2	9.2	*	18.2	12.2	*
Prostatectomy	158	1.9	1.9	1.5	9.5	4.5	3.2	12.7	7.4	3.6
Cholecystectomy	42	2.4	3.8	*	9.5	6.8	*	14.3	8.6	*
Hysterectomy	15	0.0	0.5	*	0.0	0.8	*	6.7	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,209	10.6	9.8	0.9	16.3	15.0	1.3	20.0	19.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	55	25.5	28.9	7.6	29.1	32.2	6.7	36.4	35.7	7.1
Congestive Heart Failure	136	14.7	17.2	3.5	30.9	25.4	4.6	37.5	32.3	4.9
Pneumonia/Influenza	79	15.2	14.9	4.1	16.5	20.2	5.9	21.5	24.4	6.2
Chronic Obstructive Pulmonary Disease	79	7.6	10.8	4.6	16.5	18.0	4.7	21.5	23.6	5.1
Transient Cerebral Ischemia	21	0.0	1.6	*	0.0	3.7	*	4.8	5.8	*
Stroke	110	25.5	22.0	6.6	30.9	28.4	6.7	35.5	33.1	6.9
Hip Fracture	61	1.6	6.6	4.5	4.9	12.0	6.3	9.8	15.7	6.6
Sepsis	16	18.8	22.1	*	31.3	29.2	*	43.8	34.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	36	5.6	3.0	*	8.3	6.1	*	13.9	9.1	*
Carotid Endarterectomy	2	0.0	2.7	*	0.0	6.0	*	0.0	9.1	*
Hip Replacement/Reconstruction	35	2.9	5.1	*	2.9	9.3	*	2.9	12.0	*
Open Reduction of Hip Fracture	36	0.0	5.3	*	5.6	10.4	*	13.9	14.1	*
Prostatectomy	124	0.8	1.6	1.7	5.6	3.9	2.3	7.3	6.5	2.4
Cholecystectomy	41	4.9	5.0	*	9.8	8.5	*	9.8	10.8	*
Hysterectomy	21	0.0	1.1	*	0.0	2.1	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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FREDERICK MEMORIAL HOSPITAL

400 West Seventh Street Frederick, Maryland 21701-4593 301-698-3300

January 9, 1991

Gail R Wilensky, Ph.D.
Health Care Financing Administration
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Wilensky:

I am responding to the annual hospital mortality data for Frederick Memorial Hospital, Frederick, Maryland.

First, the information concerning our hospital is basically accurate except that 90% of our physician medical staff is now Board certified.

The data for 1987, 1988 and 1989 show no surprises. The categories where we have enough volume to show reliable statistics show that we are in line with the other hospitals. The only area where we seem high is in the 1989 Transient Cerebral Ischemia category. Here we show a 13.6% death rate which is several times higher than predicted. These figures were based on only 4 deaths. As the mortality data explains these figures are much to small to give a reliable indication of any quality concerns. It is interesting that there were no deaths in this category in either 1988 or 1987.

We will continue to monitor this data base and others as we strive to maintain excellence of care at Frederick Memorial Hospital.

Sincerely yours,

Charles E. Wright, M.D.
Vice President for Medical Affairs

CEW/ll

FROSTBURG COMMUNITY HOSPITAL

48 Tarn Terr
Frostburg, MD 21532

Medicare Provider Number: 210046

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	428	11.9	10.5	2.5	15.7	15.8	2.8	20.8	20.0	2.6
CONDITIONS:										
Acute Myocardial Infarction	14	35.7	28.8	*	35.7	32.9	*	42.9	37.2	*
Congestive Heart Failure	39	17.9	13.4	*	23.1	21.3	*	30.8	28.3	*
Pneumonia/Influenza	39	20.5	16.0	*	20.5	22.4	*	28.2	27.5	*
Chronic Obstructive Pulmonary Disease	23	0.0	11.9	*	13.0	19.9	*	17.4	26.3	*
Transient Cerebral Ischemia	8	0.0	1.3	*	0.0	3.2	*	0.0	5.3	*
Stroke	14	21.4	18.6	*	21.4	25.3	*	28.6	30.0	*
Hip Fracture	5	20.0	6.0	*	20.0	11.0	*	20.0	14.3	*
Sepsis	10	40.0	29.6	*	50.0	41.0	*	50.0	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.3	*	0.0	5.0	*	0.0	7.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.6	*	0.0	6.3	*	0.0	8.4	*
Open Reduction of Hip Fracture	2	50.0	3.5	*	50.0	7.0	*	50.0	9.8	*
Prostatectomy	0									
Cholecystectomy	4	0.0	3.0	*	0.0	4.7	*	0.0	5.7	*
Hysterectomy	1	0.0	3.5	*	0.0	8.1	*	100.0	12.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	47
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FROSTBURG COMMUNITY HOSPITAL

Medicare Provider Number: 210046

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	428	7.2	8.6	1.6	12.6	13.5	2.6	14.5	17.4	3.1
CONDITIONS:										
Acute Myocardial Infarction	10	30.0	21.3	*	40.0	24.6	*	40.0	28.0	*
Congestive Heart Failure	29	13.8	17.0	*	13.8	26.8	*	20.7	34.6	*
Pneumonia/Influenza	41	17.1	14.9	*	22.0	20.2	*	22.0	24.6	*
Chronic Obstructive Pulmonary Disease	6	16.7	12.9	*	33.3	24.5	*	33.3	32.4	*
Transient Cerebral Ischemia	6	0.0	0.9	*	0.0	1.9	*	0.0	3.0	*
Stroke	17	11.8	18.4	*	23.5	24.3	*	23.5	28.7	*
Hip Fracture	9	0.0	6.2	*	0.0	11.6	*	0.0	15.5	*
Sepsis	6	16.7	24.3	*	16.7	32.8	*	33.3	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.6	*	0.0	3.8	*	0.0	6.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	4.0	*	0.0	7.4	*	0.0	9.8	*
Open Reduction of Hip Fracture	2	0.0	10.0	*	0.0	18.6	*	0.0	23.7	*
Prostatectomy	0									
Cholecystectomy	10	0.0	1.7	*	0.0	2.9	*	0.0	3.6	*
Hysterectomy	1	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	361	8.6	11.3	2.3	12.7	16.8	2.6	16.6	21.1	2.8
CONDITIONS:										
Acute Myocardial Infarction	16	31.3	29.9	*	43.8	34.2	*	50.0	38.4	*
Congestive Heart Failure	40	15.0	16.7	*	22.5	26.1	*	32.5	33.6	*
Pneumonia/Influenza	33	12.1	17.9	*	21.2	23.9	*	24.2	28.9	*
Chronic Obstructive Pulmonary Disease	21	9.5	16.2	*	19.0	27.0	*	19.0	34.5	*
Transient Cerebral Ischemia	5	20.0	2.5	*	20.0	6.0	*	20.0	9.6	*
Stroke	15	6.7	23.1	*	20.0	31.0	*	20.0	36.2	*
Hip Fracture	6	0.0	6.7	*	0.0	12.0	*	16.7	15.4	*
Sepsis	1	0.0	18.6	*	0.0	31.7	*	0.0	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.6	*	0.0	6.2	*	0.0	9.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	5.5	*	0.0	7.7	*	0.0	9.5	*
Open Reduction of Hip Fracture	2	0.0	4.1	*	0.0	8.0	*	0.0	10.9	*
Prostatectomy	0									
Cholecystectomy	6	0.0	1.9	*	0.0	3.4	*	0.0	4.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GARRETT COUNTY MEMORIAL HOSPITAL

251 N Fourth St
Oakland, MD 21550

Medicare Provider Number: 210017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	767	9.4	9.0	1.1	14.3	14.1	1.3	17.7	18.1	1.5
CONDITIONS:										
Acute Myocardial Infarction	30	40.0	23.7	*	40.0	26.6	*	40.0	30.1	*
Congestive Heart Failure	31	9.7	14.0	*	25.8	22.1	*	25.8	28.9	*
Pneumonia/Influenza	50	16.0	15.2	*	24.0	20.9	*	32.0	25.4	*
Chronic Obstructive Pulmonary Disease	18	5.6	5.3	*	5.6	10.5	*	11.1	15.2	*
Transient Cerebral Ischemia	13	0.0	2.2	*	15.4	5.1	*	15.4	8.3	*
Stroke	21	4.8	15.6	*	14.3	22.2	*	19.0	26.6	*
Hip Fracture	17	5.9	4.2	*	11.8	7.9	*	11.8	10.7	*
Sepsis	9	22.2	32.4	*	22.2	39.2	*	22.2	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.2	*	0.0	5.3	*	0.0	7.3	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.3	*	0.0	3.5	*
Hip Replacement/Reconstruction	8	0.0	3.7	*	0.0	7.2	*	0.0	9.8	*
Open Reduction of Hip Fracture	7	0.0	3.5	*	14.3	6.9	*	14.3	9.4	*
Prostatectomy	14	0.0	1.5	*	0.0	3.7	*	0.0	6.4	*
Cholecystectomy	20	0.0	3.1	*	5.0	5.6	*	10.0	7.4	*
Hysterectomy	5	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	76
Occupancy Rate	63
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	54
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GARRETT COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 210017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	823	8.0	9.1	1.9	12.4	14.0	2.2	16.9	17.9	2.3
CONDITIONS:										
Acute Myocardial Infarction	27	18.5	24.8	*	22.2	28.3	*	29.6	31.5	*
Congestive Heart Failure	37	18.9	15.6	*	21.6	23.6	*	29.7	30.3	*
Pneumonia/Influenza	45	15.6	17.2	*	20.0	24.0	*	28.9	29.1	*
Chronic Obstructive Pulmonary Disease	25	4.0	7.9	*	16.0	13.8	*	20.0	19.0	*
Transient Cerebral Ischemia	14	0.0	2.8	*	7.1	5.9	*	7.1	8.9	*
Stroke	25	28.0	18.1	*	28.0	25.5	*	36.0	30.4	*
Hip Fracture	12	8.3	6.0	*	8.3	11.0	*	16.7	14.4	*
Sepsis	9	33.3	25.2	*	33.3	30.7	*	33.3	36.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.3	*	0.0	8.2	*	0.0	11.6	*
Carotid Endarterectomy	5	0.0	2.0	*	0.0	3.9	*	0.0	5.9	*
Hip Replacement/Reconstruction	3	0.0	4.2	*	0.0	8.3	*	0.0	11.3	*
Open Reduction of Hip Fracture	7	14.3	6.2	*	14.3	11.8	*	28.6	15.5	*
Prostatectomy	19	0.0	1.5	*	0.0	3.9	*	0.0	6.4	*
Cholecystectomy	15	0.0	2.3	*	0.0	4.1	*	0.0	5.5	*
Hysterectomy	4	0.0	1.9	*	0.0	3.6	*	0.0	5.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	816	9.4	9.6	1.1	14.7	14.7	1.5	18.1	18.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	34	20.6	32.5	*	26.5	37.4	*	38.2	41.5	*
Congestive Heart Failure	45	15.6	16.5	*	24.4	24.9	*	31.1	31.9	*
Pneumonia/Influenza	45	24.4	17.7	*	33.3	23.7	*	37.8	28.4	*
Chronic Obstructive Pulmonary Disease	18	11.1	6.6	*	22.2	12.5	*	27.8	17.7	*
Transient Cerebral Ischemia	7	0.0	2.0	*	0.0	4.0	*	14.3	6.1	*
Stroke	5	20.0	22.2	*	20.0	27.6	*	20.0	31.8	*
Hip Fracture	18	5.6	6.2	*	11.1	11.2	*	11.1	14.6	*
Sepsis	11	54.5	35.5	*	54.5	45.2	*	54.5	52.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	7.3	*	25.0	12.8	*	25.0	17.3	*
Carotid Endarterectomy	4	0.0	1.9	*	0.0	3.8	*	0.0	5.5	*
Hip Replacement/Reconstruction	6	0.0	6.0	*	16.7	10.8	*	16.7	13.9	*
Open Reduction of Hip Fracture	12	8.3	5.3	*	8.3	10.2	*	8.3	13.7	*
Prostatectomy	23	0.0	1.7	*	4.3	4.3	*	4.3	7.3	*
Cholecystectomy	21	4.8	2.7	*	9.5	5.0	*	9.5	7.0	*
Hysterectomy	6	16.7	1.2	*	16.7	2.7	*	16.7	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GOOD SAMARITAN HOSPITAL

5601 Loch Raven Blvd
Baltimore, MD 21239

Medicare Provider Number: 210056

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,014	5.3	7.2	1.0	9.8	11.7	1.0	13.3	15.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	51	21.6	29.5	9.6	27.5	33.5	9.3	31.4	37.8	7.4
Congestive Heart Failure	80	11.2	13.8	4.1	16.2	22.1	5.3	17.5	29.3	7.1
Pneumonia/Influenza	40	5.0	13.0	*	10.0	18.4	*	15.0	22.8	*
Chronic Obstructive Pulmonary Disease	42	2.4	7.4	*	14.3	12.6	*	16.7	17.4	*
Transient Cerebral Ischemia	24	4.2	1.7	*	8.3	3.9	*	8.3	6.2	*
Stroke	33	9.1	14.6	*	18.2	20.9	*	21.2	25.1	*
Hip Fracture	21	9.5	5.8	*	14.3	10.9	*	19.0	14.6	*
Sepsis	22	18.2	21.0	*	27.3	31.3	*	31.8	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.8	*	0.0	5.4	*	0.0	8.0	*
Carotid Endarterectomy	14	0.0	1.9	*	0.0	3.7	*	0.0	5.7	*
Hip Replacement/Reconstruction	102	2.0	1.2	1.4	2.0	2.4	1.9	2.0	3.6	2.7
Open Reduction of Hip Fracture	8	12.5	5.9	*	25.0	12.1	*	25.0	16.8	*
Prostatectomy	79	0.0	1.3	1.7	1.3	3.3	2.7	2.5	5.5	4.2
Cholecystectomy	37	2.7	4.4	*	5.4	8.2	*	8.1	11.0	*
Hysterectomy	6	0.0	1.3	*	0.0	2.9	*	0.0	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	238
Occupancy Rate	86
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	240
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	33
Registered Nurses	165
Licensed Practical Nurses	54

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GOOD SAMARITAN HOSPITAL

Medicare Provider Number: 210056

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,902	7.4	7.4	0.9	12.8	11.9	0.9	15.9	15.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	40	45.0	27.0	*	45.0	29.8	*	47.5	32.8	*
Congestive Heart Failure	80	17.5	13.8	5.9	22.5	21.6	5.5	30.0	28.2	5.2
Pneumonia/Influenza	39	17.9	17.1	*	25.6	23.5	*	30.8	28.3	*
Chronic Obstructive Pulmonary Disease	38	7.9	9.3	*	15.8	15.6	*	15.8	20.8	*
Transient Cerebral Ischemia	19	5.3	1.6	*	10.5	3.3	*	10.5	5.1	*
Stroke	43	18.6	17.6	*	32.6	24.6	*	32.6	29.2	*
Hip Fracture	13	15.4	6.7	*	23.1	13.1	*	30.8	17.4	*
Sepsis	6	16.7	32.8	*	33.3	43.9	*	33.3	52.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.0	*	0.0	4.3	*	0.0	6.6	*
Carotid Endarterectomy	10	10.0	1.8	*	10.0	3.6	*	20.0	5.5	*
Hip Replacement/Reconstruction	96	0.0	1.3	1.6	1.0	2.5	2.3	2.1	3.6	3.0
Open Reduction of Hip Fracture	6	0.0	5.1	*	0.0	10.6	*	0.0	14.8	*
Prostatectomy	56	1.8	1.9	2.2	5.4	4.4	2.8	7.1	7.1	3.4
Cholecystectomy	34	5.9	3.7	*	8.8	7.1	*	14.7	9.7	*
Hysterectomy	1	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,791	7.1	7.8	0.8	12.2	12.4	0.8	15.5	16.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	60	35.0	32.8	7.5	45.0	36.2	8.6	50.0	39.7	10.1
Congestive Heart Failure	59	11.9	16.6	6.8	22.0	25.4	7.7	27.1	32.6	10.0
Pneumonia/Influenza	51	9.8	12.4	5.2	21.6	17.2	6.5	23.5	21.0	6.9
Chronic Obstructive Pulmonary Disease	26	11.5	12.3	*	26.9	20.3	*	38.5	26.3	*
Transient Cerebral Ischemia	21	4.8	1.6	*	4.8	3.2	*	4.8	4.8	*
Stroke	44	20.5	18.6	*	29.5	25.6	*	29.5	30.0	*
Hip Fracture	11	18.2	4.5	*	18.2	8.3	*	18.2	11.1	*
Sepsis	1	0.0	43.6	*	0.0	49.9	*	0.0	56.1	*
PROCEDURES:										
Angioplasty	1	0.0	5.3	*	0.0	9.9	*	0.0	12.5	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.4	*	0.0	5.3	*	0.0	8.3	*
Carotid Endarterectomy	19	0.0	1.6	*	5.3	3.2	*	5.3	4.7	*
Hip Replacement/Reconstruction	88	1.1	0.9	1.1	1.1	1.7	1.5	1.1	2.4	1.9
Open Reduction of Hip Fracture	1	0.0	1.8	*	0.0	3.8	*	0.0	5.3	*
Prostatectomy	49	0.0	1.1	*	4.1	2.7	*	4.1	4.7	*
Cholecystectomy	24	4.2	2.4	*	4.2	4.2	*	4.2	5.4	*
Hysterectomy	3	0.0	0.7	*	0.0	1.4	*	0.0	2.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

GREATER BALTIMORE MEDICAL CENTER

6701 N Charles St
Baltimore, MD 21204

Medicare Provider Number: 210044

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,360	6.5	8.3	0.7	11.4	13.2	0.7	14.8	16.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	109	25.7	27.5	4.6	27.5	30.6	5.2	30.3	34.1	6.6
Congestive Heart Failure	115	13.0	15.5	4.8	23.5	24.6	4.3	32.2	31.9	4.7
Pneumonia/Influenza	103	5.8	14.3	5.1	11.7	19.9	5.5	18.4	24.2	4.9
Chronic Obstructive Pulmonary Disease	37	5.4	8.1	*	16.2	14.0	*	18.9	19.1	*
Transient Cerebral Ischemia	57	0.0	1.9	2.3	1.8	4.2	3.0	1.8	6.7	4.3
Stroke	91	18.7	21.6	7.6	23.1	28.0	7.6	27.5	32.7	9.3
Hip Fracture	74	8.1	6.5	4.2	12.2	11.9	3.8	13.5	15.5	4.7
Sepsis	21	23.8	23.8	*	33.3	33.0	*	38.1	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	0.0	3.3	*	0.0	6.9	*	3.7	10.3	*
Carotid Endarterectomy	26	7.7	2.2	*	7.7	4.4	*	7.7	6.6	*
Hip Replacement/Reconstruction	33	6.1	6.9	*	12.1	13.2	*	18.2	17.6	*
Open Reduction of Hip Fracture	31	6.5	5.4	*	9.7	10.2	*	9.7	13.5	*
Prostatectomy	100	3.0	1.4	1.8	6.0	3.5	2.8	8.0	5.9	3.4
Cholecystectomy	49	2.0	3.1	*	6.1	5.9	*	6.1	8.0	*
Hysterectomy	42	0.0	1.3	*	0.0	2.7	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	403
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	861
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	52
Registered Nurses	419
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GREATER BALTIMORE MEDICAL CENTER

Medicare Provider Number: 210044

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,134	8.6	8.8	0.8	13.1	13.8	1.0	16.9	17.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	103	26.2	31.2	6.9	30.1	34.5	8.0	30.1	38.3	7.9
Congestive Heart Failure	105	21.0	15.6	6.8	28.6	24.2	6.5	36.2	31.2	7.4
Pneumonia/Influenza	83	16.9	16.2	4.5	20.5	22.5	4.9	25.3	27.3	5.7
Chronic Obstructive Pulmonary Disease	37	18.9	9.7	*	24.3	16.2	*	35.1	21.6	*
Transient Cerebral Ischemia	38	2.6	1.8	*	2.6	3.6	*	2.6	5.6	*
Stroke	98	19.4	22.5	4.9	28.6	28.8	4.6	36.7	33.6	5.5
Hip Fracture	80	5.0	5.4	3.0	10.0	10.1	3.4	12.5	13.2	3.9
Sepsis	9	22.2	27.7	*	33.3	35.5	*	55.6	41.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	5.6	*	6.7	11.4	*	6.7	16.5	*
Carotid Endarterectomy	18	0.0	1.5	*	5.6	2.9	*	11.1	4.2	*
Hip Replacement/Reconstruction	20	15.0	3.5	*	20.0	6.6	*	20.0	8.6	*
Open Reduction of Hip Fracture	42	2.4	5.2	*	4.8	9.9	*	7.1	13.1	*
Prostatectomy	97	1.0	1.4	1.3	2.1	3.4	2.1	2.1	5.6	3.4
Cholecystectomy	46	2.2	2.3	*	6.5	4.1	*	8.7	5.3	*
Hysterectomy	46	0.0	1.2	*	2.2	2.5	*	2.2	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,909	6.9	8.1	0.7	11.6	12.9	0.9	14.5	16.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	67	28.4	31.4	6.7	34.3	35.4	6.2	38.8	39.4	6.2
Congestive Heart Failure	93	10.8	16.5	5.4	18.3	24.5	6.7	24.7	31.3	7.7
Pneumonia/Influenza	79	13.9	14.7	4.0	17.7	20.0	4.7	24.1	24.4	4.9
Chronic Obstructive Pulmonary Disease	24	8.3	10.1	*	16.7	16.6	*	16.7	21.8	*
Transient Cerebral Ischemia	41	2.4	2.0	*	7.3	4.3	*	7.3	6.8	*
Stroke	94	18.1	22.9	7.0	24.5	29.1	6.0	27.7	33.8	6.4
Hip Fracture	72	13.9	6.6	6.6	15.3	11.9	5.5	19.4	15.4	5.6
Sepsis	12	16.7	32.4	*	25.0	42.6	*	25.0	50.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	4.5	*	9.1	8.8	*	9.1	12.8	*
Carotid Endarterectomy	27	3.7	2.0	*	11.1	4.0	*	11.1	5.9	*
Hip Replacement/Reconstruction	24	20.8	5.7	*	20.8	10.9	*	20.8	14.3	*
Open Reduction of Hip Fracture	33	12.1	5.8	*	15.2	11.0	*	24.2	14.4	*
Prostatectomy	79	1.3	1.2	2.1	3.8	2.8	3.1	3.8	4.6	4.0
Cholecystectomy	64	1.6	2.7	2.4	1.6	5.1	3.5	1.6	7.0	4.4
Hysterectomy	59	0.0	1.0	*	0.0	2.1	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GREATER LAUREL BELTSVILLE HOSPITAL

7100 Contee Rd
Laurel, MD 20810

Medicare Provider Number: 210055

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,045	10.8	9.1	1.6	16.1	13.9	2.0	19.6	17.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	46	30.4	24.6	*	32.6	28.0	*	32.6	31.6	*
Congestive Heart Failure	55	10.9	14.2	5.5	20.0	22.9	6.2	30.9	30.1	6.3
Pneumonia/Influenza	48	18.7	13.7	*	29.2	18.7	*	35.4	23.0	*
Chronic Obstructive Pulmonary Disease	18	5.6	9.5	*	5.6	16.2	*	11.1	21.9	*
Transient Cerebral Ischemia	13	7.7	1.7	*	7.7	3.7	*	7.7	5.9	*
Stroke	37	27.0	17.6	*	32.4	24.1	*	40.5	28.5	*
Hip Fracture	20	0.0	5.8	*	15.0	10.7	*	20.0	14.0	*
Sepsis	21	42.9	30.1	*	52.4	37.5	*	52.4	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	4.7	*	16.7	7.9	*	33.3	10.8	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	4.1	*	0.0	6.3	*
Hip Replacement/Reconstruction	15	0.0	2.5	*	6.7	5.0	*	6.7	7.0	*
Open Reduction of Hip Fracture	8	0.0	5.9	*	12.5	11.7	*	12.5	15.8	*
Prostatectomy	20	0.0	1.0	*	5.0	2.4	*	5.0	4.1	*
Cholecystectomy	17	5.9	4.6	*	11.8	9.1	*	17.6	12.5	*
Hysterectomy	7	14.3	0.9	*	14.3	1.9	*	14.3	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1991

Total Beds	182
Ownership/Control	Local Government

STAFFING:

Medical Residents/Interns	0
Registered Nurses	125
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	Yes
Intensive Care Unit	Yes
Organ Transplant	Yes
Rehabilitation	Yes
Shock Trauma	Yes

**** Not used in calculating hospital mortality rates.**

GREATER LAUREL BELTSVILLE HOSPITAL

Medicare Provider Number: 210055

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	928	9.5	8.4	1.3	15.4	13.2	1.6	19.1	16.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	23.9	*	30.0	26.9	*	35.0	30.3	*
Congestive Heart Failure	65	13.8	15.4	4.6	29.2	23.9	6.9	33.8	30.8	7.6
Pneumonia/Influenza	45	24.4	16.8	*	35.6	22.7	*	37.8	27.3	*
Chronic Obstructive Pulmonary Disease	32	12.5	8.3	*	15.6	13.7	*	18.8	18.5	*
Transient Cerebral Ischemia	17	0.0	1.4	*	0.0	3.0	*	0.0	4.8	*
Stroke	32	18.8	17.7	*	21.9	24.1	*	28.1	28.4	*
Hip Fracture	20	15.0	5.4	*	15.0	9.7	*	15.0	12.5	*
Sepsis	11	45.5	25.0	*	63.6	32.0	*	63.6	37.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.9	*	0.0	7.9	*	0.0	11.2	*
Carotid Endarterectomy	3	0.0	1.7	*	0.0	3.9	*	0.0	6.4	*
Hip Replacement/Reconstruction	6	0.0	5.6	*	0.0	10.4	*	0.0	13.4	*
Open Reduction of Hip Fracture	9	11.1	4.3	*	11.1	8.2	*	11.1	11.0	*
Prostatectomy	29	0.0	2.1	*	3.4	4.5	*	3.4	6.9	*
Cholecystectomy	13	0.0	1.8	*	0.0	3.4	*	0.0	4.5	*
Hysterectomy	3	0.0	0.9	*	0.0	2.0	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	905	8.6	7.2	1.1	13.3	11.1	1.6	17.1	14.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	29	37.9	22.5	*	44.8	26.1	*	44.8	29.6	*
Congestive Heart Failure	47	14.9	13.2	*	21.3	20.5	*	23.4	26.9	*
Pneumonia/Influenza	35	8.6	12.4	*	14.3	17.7	*	22.9	21.9	*
Chronic Obstructive Pulmonary Disease	14	14.3	8.4	*	35.7	15.1	*	35.7	20.3	*
Transient Cerebral Ischemia	13	15.4	1.4	*	15.4	2.9	*	15.4	4.6	*
Stroke	41	39.0	19.3	*	43.9	26.4	*	43.9	31.1	*
Hip Fracture	17	17.6	4.5	*	17.6	8.7	*	29.4	11.6	*
Sepsis	3	0.0	38.1	*	33.3	45.0	*	66.7	50.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	5.4	*	33.3	10.0	*	33.3	13.4	*
Carotid Endarterectomy	1	0.0	2.6	*	0.0	5.2	*	0.0	8.0	*
Hip Replacement/Reconstruction	7	14.3	4.7	*	28.6	9.9	*	28.6	14.0	*
Open Reduction of Hip Fracture	7	28.6	3.7	*	28.6	7.4	*	42.9	10.0	*
Prostatectomy	27	0.0	1.2	*	3.7	2.9	*	7.4	4.8	*
Cholecystectomy	13	0.0	2.5	*	0.0	4.1	*	0.0	4.9	*
Hysterectomy	2	0.0	0.3	*	0.0	0.5	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HARBOR HOSPITAL CENTER

3001 S Hanover St
Baltimore, MD 21230

Medicare Provider Number: 210034

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,503	9.3	8.6	0.8	15.3	13.9	1.3	19.2	18.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	74	23.0	22.9	4.9	25.7	26.5	5.7	28.4	30.1	7.2
Congestive Heart Failure	131	12.2	12.0	4.4	21.4	19.5	6.7	32.1	26.0	8.7
Pneumonia/Influenza	123	15.4	15.0	3.6	21.1	20.9	4.1	23.6	25.7	4.3
Chronic Obstructive Pulmonary Disease	67	7.5	8.0	3.6	16.4	14.7	5.9	19.4	20.5	6.0
Transient Cerebral Ischemia	37	0.0	1.5	*	2.7	3.2	*	8.1	5.1	*
Stroke	81	9.9	16.5	6.0	21.0	23.0	5.4	22.2	27.3	6.6
Hip Fracture	46	10.9	5.1	*	17.4	9.2	*	19.6	12.3	*
Sepsis	30	33.3	28.8	*	43.3	38.9	*	46.7	46.1	*
PROCEDURES:										
Angioplasty	1	0.0	10.0	*	0.0	19.4	*	0.0	24.4	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	8.6	*	0.0	13.9	*	40.0	18.1	*
Carotid Endarterectomy	15	6.7	1.7	*	13.3	3.3	*	13.3	5.1	*
Hip Replacement/Reconstruction	27	7.4	3.9	*	11.1	7.9	*	11.1	10.9	*
Open Reduction of Hip Fracture	26	11.5	4.3	*	19.2	8.2	*	19.2	11.2	*
Prostatectomy	84	0.0	1.1	1.6	1.2	2.5	2.7	6.0	4.3	3.1
Cholecystectomy	27	3.7	3.7	*	7.4	7.2	*	14.8	9.9	*
Hysterectomy	2	0.0	0.3	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	283
Occupancy Rate	90
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	351
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	51
Registered Nurses	202
Licensed Practical Nurses	72

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HARBOR HOSPITAL CENTER

Medicare Provider Number: 210034

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,526	9.6	8.7	0.7	15.9	13.6	1.2	19.9	17.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	85	27.1	22.4	5.1	32.9	25.1	6.1	35.3	28.0	6.2
Congestive Heart Failure	151	13.9	13.1	2.9	24.5	20.6	4.8	29.8	26.9	5.1
Pneumonia/Influenza	90	14.4	16.2	5.7	22.2	22.3	5.0	23.3	27.0	5.5
Chronic Obstructive Pulmonary Disease	74	16.2	8.5	6.2	18.9	15.1	6.9	27.0	20.6	7.9
Transient Cerebral Ischemia	38	0.0	1.6	*	2.6	3.4	*	2.6	5.3	*
Stroke	72	15.3	16.2	7.2	26.4	22.6	7.5	29.2	26.9	8.0
Hip Fracture	40	5.0	5.2	*	7.5	9.6	*	10.0	12.6	*
Sepsis	29	17.2	29.7	*	37.9	38.1	*	48.3	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.1	*	0.0	4.2	*	0.0	6.1	*
Carotid Endarterectomy	10	10.0	1.3	*	10.0	2.4	*	10.0	3.5	*
Hip Replacement/Reconstruction	16	0.0	2.1	*	0.0	4.1	*	0.0	5.6	*
Open Reduction of Hip Fracture	30	6.7	5.0	*	10.0	9.5	*	13.3	12.7	*
Prostatectomy	90	1.1	1.3	1.3	1.1	3.1	2.5	2.2	5.1	3.3
Cholecystectomy	46	4.3	4.7	*	8.7	8.1	*	10.9	10.5	*
Hysterectomy	12	8.3	3.0	*	8.3	6.7	*	8.3	10.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,508	9.9	10.0	0.8	15.4	15.2	0.8	19.7	19.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	101	20.8	24.6	7.2	23.8	28.1	7.8	26.7	31.5	9.1
Congestive Heart Failure	122	18.0	16.0	3.9	27.9	24.1	5.1	31.1	30.9	4.2
Pneumonia/Influenza	107	13.1	17.9	5.7	18.7	23.9	6.5	25.2	28.8	5.6
Chronic Obstructive Pulmonary Disease	95	10.5	11.4	4.1	18.9	18.8	5.2	24.2	24.4	4.6
Transient Cerebral Ischemia	43	0.0	2.0	*	9.3	4.4	*	11.6	6.9	*
Stroke	81	24.7	20.7	6.1	32.1	27.5	7.8	34.6	31.8	7.5
Hip Fracture	42	2.4	7.2	*	7.1	12.6	*	14.3	16.1	*
Sepsis	43	34.9	33.8	*	44.2	42.1	*	48.8	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	15.4	4.5	*	15.4	8.6	*	23.1	12.0	*
Carotid Endarterectomy	12	0.0	1.4	*	0.0	2.7	*	16.7	3.9	*
Hip Replacement/Reconstruction	18	0.0	7.4	*	0.0	13.2	*	16.7	16.7	*
Open Reduction of Hip Fracture	26	0.0	4.2	*	7.7	7.9	*	11.5	10.5	*
Prostatectomy	119	1.7	1.5	1.9	6.7	3.5	2.8	9.2	5.7	3.4
Cholecystectomy	47	6.4	5.2	*	12.8	9.8	*	17.0	12.8	*
Hysterectomy	11	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HARFORD MEMORIAL HOSPITAL

501 S Union Avenue
Havre De Grace, MD 21078

Medicare Provider Number: 210006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,557	10.1	7.5	1.2	14.6	11.8	1.4	17.1	15.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	41	24.4	23.4	*	31.7	27.0	*	34.1	30.6	*
Congestive Heart Failure	92	25.0	13.5	6.3	32.6	21.1	6.7	37.0	27.5	6.3
Pneumonia/Influenza	59	20.3	14.5	8.8	25.4	20.0	9.0	28.8	24.7	8.0
Chronic Obstructive Pulmonary Disease	35	2.9	9.0	*	8.6	15.3	*	14.3	20.6	*
Transient Cerebral Ischemia	59	0.0	1.6	2.2	5.1	3.6	3.4	5.1	5.8	3.9
Stroke	52	17.3	18.3	5.5	28.8	24.5	7.2	28.8	29.2	8.0
Hip Fracture	31	12.9	5.2	*	16.1	10.1	*	16.1	13.7	*
Sepsis	7	28.6	25.1	*	28.6	31.9	*	28.6	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	2.6	*	0.0	5.6	*	6.7	8.5	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
Hip Replacement/Reconstruction	11	9.1	2.4	*	9.1	4.9	*	18.2	7.0	*
Open Reduction of Hip Fracture	22	13.6	5.1	*	18.2	10.4	*	18.2	14.3	*
Prostatectomy	42	0.0	1.1	*	0.0	2.6	*	0.0	4.4	*
Cholecystectomy	18	5.6	2.4	*	5.6	4.3	*	5.6	5.6	*
Hysterectomy	7	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	205
Occupancy Rate	51
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	77
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	97
Licensed Practical Nurses	44

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HARFORD MEMORIAL HOSPITAL

Medicare Provider Number: 210006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,481	10.3	8.4	1.3	13.9	12.9	1.1	17.2	16.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	53	28.3	21.7	9.1	34.0	25.0	9.6	34.0	28.4	10.1
Congestive Heart Failure	89	15.7	14.5	3.9	18.0	22.4	5.6	27.0	29.1	5.6
Pneumonia/Influenza	65	18.5	12.7	7.7	23.1	17.3	10.2	30.8	21.2	10.9
Chronic Obstructive Pulmonary Disease	38	13.2	7.1	*	13.2	13.1	*	21.1	18.4	*
Transient Cerebral Ischemia	50	2.0	2.0	*	2.0	4.4	*	6.0	7.0	*
Stroke	64	12.5	18.1	5.9	12.5	24.0	7.5	15.6	28.6	8.7
Hip Fracture	27	3.7	4.7	*	14.8	9.1	*	14.8	12.3	*
Sepsis	11	18.2	34.9	*	45.5	42.8	*	45.5	49.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.2	*	10.0	6.0	*	10.0	8.7	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	7	0.0	1.8	*	0.0	3.7	*	0.0	5.1	*
Open Reduction of Hip Fracture	20	0.0	4.3	*	15.0	8.6	*	15.0	11.9	*
Prostatectomy	49	4.1	1.5	*	8.2	3.8	*	10.2	6.3	*
Cholecystectomy	32	6.3	2.5	*	9.4	4.2	*	9.4	5.3	*
Hysterectomy	9	0.0	1.4	*	0.0	2.9	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,396	8.3	8.2	0.8	13.2	12.5	1.1	16.2	16.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	39	17.9	24.0	*	17.9	27.1	*	20.5	30.6	*
Congestive Heart Failure	103	19.4	15.3	5.8	30.1	23.6	8.5	35.9	30.6	6.7
Pneumonia/Influenza	45	11.1	15.2	*	22.2	20.7	*	26.7	25.3	*
Chronic Obstructive Pulmonary Disease	35	2.9	9.3	*	8.6	15.1	*	8.6	20.1	*
Transient Cerebral Ischemia	61	1.6	2.2	4.1	4.9	4.9	5.6	9.8	7.8	4.6
Stroke	48	20.8	23.3	*	29.2	29.7	*	31.3	34.5	*
Hip Fracture	22	4.5	4.9	*	9.1	8.8	*	9.1	11.5	*
Sepsis	6	16.7	26.8	*	16.7	32.0	*	16.7	37.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	7.2	*	0.0	11.5	*	11.1	15.0	*
Carotid Endarterectomy	1	0.0	2.2	*	0.0	4.3	*	0.0	6.3	*
Hip Replacement/Reconstruction	3	0.0	6.9	*	0.0	9.2	*	0.0	11.1	*
Open Reduction of Hip Fracture	14	7.1	4.2	*	7.1	7.9	*	7.1	10.4	*
Prostatectomy	44	4.5	0.9	*	4.5	2.1	*	4.5	3.6	*
Cholecystectomy	12	8.3	2.7	*	8.3	5.3	*	8.3	7.2	*
Hysterectomy	8	0.0	1.7	*	0.0	3.3	*	0.0	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOLY CROSS HOSPITAL

1500 Forest Glen Road
Silver Spring, MD 20910

Medicare Provider Number: 210004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,051	9.7	9.8	1.1	14.7	14.6	1.3	18.0	18.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	98	30.6	26.0	7.6	31.6	29.6	6.7	33.7	33.3	5.8
Congestive Heart Failure	140	12.9	14.9	4.0	18.6	23.1	5.5	22.9	30.0	7.3
Pneumonia/Influenza	131	22.1	18.1	4.8	29.8	24.3	6.5	33.6	29.1	5.7
Chronic Obstructive Pulmonary Disease	41	4.9	8.9	*	17.1	15.4	*	17.1	20.8	*
Transient Cerebral Ischemia	40	0.0	1.5	*	0.0	3.3	*	2.5	5.3	*
Stroke	120	27.5	22.0	5.3	31.7	28.6	4.7	32.5	33.1	4.6
Hip Fracture	96	7.3	6.0	3.0	12.5	10.9	5.3	16.7	14.3	6.5
Sepsis	32	12.5	30.8	*	31.3	39.3	*	37.5	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	3.0	*	6.3	6.0	*	12.5	8.8	*
Carotid Endarterectomy	20	10.0	1.2	*	10.0	2.2	*	10.0	3.2	*
Hip Replacement/Reconstruction	43	4.7	3.2	*	11.6	6.2	*	11.6	8.3	*
Open Reduction of Hip Fracture	58	5.2	4.9	2.9	8.6	9.5	4.7	15.5	12.7	6.3
Prostatectomy	163	0.0	0.5	1.0	1.2	1.3	1.4	3.7	2.2	1.6
Cholecystectomy	42	2.4	3.1	*	7.1	5.2	*	7.1	6.6	*
Hysterectomy	48	0.0	0.5	*	0.0	1.1	*	2.1	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	452
Occupancy Rate	72
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HOLY CROSS HOSPITAL

Medicare Provider Number: 210004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,202	9.7	9.6	0.7	16.0	14.4	0.9	19.8	18.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	92	32.6	27.5	10.0	38.0	31.2	9.2	38.0	34.9	7.8
Congestive Heart Failure	165	13.3	17.0	4.3	26.1	25.8	3.5	33.3	32.9	4.1
Pneumonia/Influenza	119	16.8	17.2	3.5	26.1	23.0	5.2	29.4	27.5	4.6
Chronic Obstructive Pulmonary Disease	45	13.3	9.3	*	22.2	15.8	*	37.8	21.5	*
Transient Cerebral Ischemia	41	4.9	1.9	*	12.2	4.3	*	12.2	6.8	*
Stroke	114	18.4	21.0	6.4	24.6	27.8	6.2	28.1	32.3	7.4
Hip Fracture	114	7.0	6.4	2.5	10.5	11.9	3.8	13.2	15.5	5.0
Sepsis	39	35.9	34.7	*	53.8	42.5	*	56.4	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	8.3	*	14.3	12.9	*	14.3	16.6	*
Carotid Endarterectomy	17	5.9	1.3	*	5.9	2.4	*	5.9	3.5	*
Hip Replacement/Reconstruction	42	9.5	4.8	*	16.7	9.1	*	16.7	12.0	*
Open Reduction of Hip Fracture	65	4.6	5.8	3.0	6.2	11.3	5.3	9.2	15.2	6.4
Prostatectomy	186	1.1	0.6	0.8	1.6	1.4	1.0	2.2	2.3	1.3
Cholecystectomy	52	5.8	3.1	3.4	5.8	5.4	5.1	9.6	7.3	5.3
Hysterectomy	37	0.0	0.7	*	2.7	1.4	*	2.7	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,312	10.9	9.3	0.8	16.2	14.0	1.1	19.4	17.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	104	21.2	26.8	6.1	26.0	30.6	7.2	27.9	34.3	6.5
Congestive Heart Failure	148	18.9	16.8	5.5	29.1	25.4	6.4	32.4	32.5	4.2
Pneumonia/Influenza	107	29.0	17.0	5.8	32.7	23.1	6.3	39.3	27.9	6.5
Chronic Obstructive Pulmonary Disease	55	18.2	10.9	8.2	21.8	18.1	7.2	25.5	23.5	8.1
Transient Cerebral Ischemia	47	0.0	2.1	*	0.0	4.5	*	2.1	7.2	*
Stroke	109	23.9	22.3	4.2	32.1	29.4	5.0	33.0	34.0	4.6
Hip Fracture	102	6.9	5.4	2.6	9.8	10.2	3.3	13.7	13.4	3.4
Sepsis	38	23.7	32.8	*	44.7	41.2	*	47.4	47.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	2.9	*	4.3	5.4	*	4.3	7.7	*
Carotid Endarterectomy	15	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	50	8.0	3.3	*	10.0	6.5	*	16.0	8.9	*
Open Reduction of Hip Fracture	55	5.5	4.9	3.2	7.3	9.7	4.5	10.9	13.0	6.3
Prostatectomy	179	0.0	0.6	0.7	0.0	1.5	1.3	1.7	2.4	1.5
Cholecystectomy	68	2.9	2.9	2.1	2.9	4.9	3.2	4.4	6.4	4.0
Hysterectomy	41	2.4	0.4	*	2.4	0.8	*	4.9	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOMEWOOD HOSPITAL CENTER SOUTH

2724 Charles St
Baltimore, MD 21218

Medicare Provider Number: 210021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,588	7.5	8.3	0.8	14.2	13.3	1.4	18.1	17.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	31	16.1	28.1	*	16.1	31.5	*	19.4	35.2	*
Congestive Heart Failure	92	18.5	13.6	6.0	28.3	22.1	8.3	32.6	29.3	6.5
Pneumonia/Influenza	44	9.1	14.6	*	20.5	20.7	*	31.8	25.5	*
Chronic Obstructive Pulmonary Disease	25	0.0	7.7	*	0.0	14.2	*	4.0	20.3	*
Transient Cerebral Ischemia	13	0.0	1.4	*	0.0	3.1	*	0.0	5.0	*
Stroke	51	2.0	15.1	7.5	9.8	20.8	9.1	9.8	24.8	8.6
Hip Fracture	11	0.0	4.9	*	9.1	9.3	*	9.1	12.5	*
Sepsis	64	20.3	28.8	7.0	37.5	39.2	7.5	46.9	46.1	9.2
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.3	*	10.0	5.0	*	20.0	7.6	*
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	10	0.0	2.0	*	0.0	3.8	*	0.0	5.3	*
Open Reduction of Hip Fracture	7	0.0	4.9	*	14.3	9.7	*	14.3	13.5	*
Prostatectomy	25	0.0	1.1	*	4.0	2.6	*	4.0	4.4	*
Cholecystectomy	21	4.8	3.0	*	14.3	5.3	*	14.3	7.0	*
Hysterectomy	6	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	267
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	275
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	5
Registered Nurses	178
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HOMEWOOD HOSPITAL CENTER SOUTH

Medicare Provider Number: 210021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,586	7.3	8.6	0.8	13.4	13.6	0.9	18.2	17.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	41	34.1	26.7	*	41.5	29.9	*	46.3	33.3	*
Congestive Heart Failure	88	11.4	12.5	4.4	17.0	19.7	5.7	25.0	25.9	5.6
Pneumonia/Influenza	46	17.4	12.3	*	28.3	17.0	*	32.6	20.9	*
Chronic Obstructive Pulmonary Disease	18	0.0	8.3	*	0.0	14.3	*	5.6	19.3	*
Transient Cerebral Ischemia	13	0.0	1.9	*	7.7	4.4	*	7.7	7.0	*
Stroke	56	10.7	15.5	6.1	19.6	22.7	5.9	26.8	27.3	6.0
Hip Fracture	10	0.0	3.9	*	20.0	7.4	*	20.0	9.9	*
Sepsis	70	21.4	27.0	6.1	34.3	36.7	6.5	44.3	43.6	5.9
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	9.7	*	0.0	13.7	*	0.0	17.1	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	5	0.0	0.7	*	0.0	1.2	*	0.0	1.7	*
Open Reduction of Hip Fracture	10	0.0	3.3	*	20.0	6.7	*	20.0	9.2	*
Prostatectomy	36	2.8	1.1	*	5.6	2.5	*	5.6	4.1	*
Cholecystectomy	16	6.3	2.3	*	12.5	4.2	*	12.5	5.3	*
Hysterectomy	5	0.0	2.8	*	20.0	5.6	*	20.0	8.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,537	6.1	8.8	0.8	11.5	13.9	0.9	16.2	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	27	18.5	38.1	*	22.2	42.0	*	33.3	46.0	*
Congestive Heart Failure	88	5.7	16.2	6.3	21.6	24.9	6.6	26.1	32.0	5.7
Pneumonia/Influenza	38	10.5	16.4	*	13.2	22.1	*	18.4	26.6	*
Chronic Obstructive Pulmonary Disease	28	14.3	8.6	*	17.9	14.3	*	21.4	18.8	*
Transient Cerebral Ischemia	16	0.0	1.8	*	0.0	3.8	*	6.3	6.0	*
Stroke	52	9.6	18.3	8.9	11.5	24.9	10.8	23.1	29.3	8.4
Hip Fracture	17	5.9	5.1	*	11.8	9.4	*	11.8	12.4	*
Sepsis	43	23.3	27.1	*	34.9	37.4	*	39.5	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.2	*	0.0	4.6	*	0.0	6.9	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	11	0.0	3.1	*	0.0	6.2	*	0.0	8.4	*
Open Reduction of Hip Fracture	8	12.5	4.4	*	25.0	8.3	*	25.0	11.0	*
Prostatectomy	44	0.0	1.3	*	0.0	3.2	*	2.3	5.1	*
Cholecystectomy	22	0.0	3.1	*	0.0	6.0	*	0.0	8.1	*
Hysterectomy	5	0.0	0.7	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

89.1

The
Homewood
Hospital Center

Homewood South

2724 North Charles Street/Baltimore, MD 21218
(301) 338-2000

January 2, 1991

Gail R. Wilensky, Ph.D.
Administrator
Health Care Financing Administration
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Mortality Information, 1989

Dear Dr. Wilensky:

The Homewood Hospital Center is in receipt of the 1989 mortality information related to Medicare patients who had been admitted during 1989. The information presented was carefully reviewed.

Analyses of data revealed:

1. In the 2 areas where Homewood Hospital Center's actual mortality rate exceeded the predicted rate, chart reviews were done. For the patients with the diagnosis of congestive heart failure, the care was deemed as appropriate. Of the case with the cholecystectomy procedure, the medical record revealed that the patient was discharged alive. Therefore, the actual mortality rate for that procedure is zero. Overall, the hospital is pleased that the actual mortality rate for all causes is below the predicted mortality rate.

2. There appears to be an error in the stated number of Medicare admissions in 1989. Your data reflects 1,588 cases. In fact, there were 2,412 Medicare admissions in 1989.

JOHNS
HOPKINS
HEALTH
SYSTEM

To: G. Wilensky
Re: Medicare Mortality Information, 1989
Pg. 2

The Homewood Hospital Center Medical Staff Committees review deaths on an ongoing basis, and specific cases are further reviewed by Departmental and Hospital-Wide Quality Review Committees.

I am appreciative of this opportunity to review HCFA mortality information prior to publication. If you would like additional information, please contact me.

Sincerely,

Theodore M. King, M.D.~~, Ph.D.~~
President, Homewood Hospital Center

HOWARD COUNTY GENERAL HOSPITAL INC

Little Patuxent Pkwy & Cedar Lane
Columbia, MD 21044

Medicare Provider Number: 210048

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,396	9.0	8.4	1.1	13.1	13.5	1.3	17.6	17.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	37	18.9	21.1	*	24.3	24.3	*	27.0	27.6	*
Congestive Heart Failure	84	9.5	14.6	5.0	14.3	23.3	6.4	27.4	30.5	6.0
Pneumonia/Influenza	53	20.8	14.4	10.1	24.5	20.0	8.7	26.4	24.5	7.2
Chronic Obstructive Pulmonary Disease	29	10.3	7.1	*	13.8	13.1	*	13.8	18.5	*
Transient Cerebral Ischemia	42	0.0	1.8	*	2.4	4.0	*	7.1	6.3	*
Stroke	36	36.1	20.7	*	36.1	27.0	*	38.9	31.7	*
Hip Fracture	36	2.8	5.1	*	13.9	10.0	*	19.4	13.8	*
Sepsis	10	50.0	41.0	*	70.0	51.5	*	70.0	60.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.2	*	0.0	5.8	*	0.0	10.2	*
Carotid Endarterectomy	7	14.3	1.7	*	14.3	3.5	*	28.6	5.0	*
Hip Replacement/Reconstruction	16	0.0	5.0	*	0.0	10.7	*	6.3	15.5	*
Open Reduction of Hip Fracture	14	0.0	3.5	*	0.0	7.1	*	7.1	9.9	*
Prostatectomy	22	0.0	1.4	*	9.1	3.3	*	9.1	5.5	*
Cholecystectomy	10	0.0	3.0	*	0.0	5.4	*	0.0	6.7	*
Hysterectomy	8	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	194
Occupancy Rate	88
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	209
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	197
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HOWARD COUNTY GENERAL HOSPITAL INC

Medicare Provider Number: 210048

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,297	9.5	8.6	1.3	15.2	13.5	1.2	18.9	17.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	41	26.8	21.6	*	26.8	25.7	*	26.8	29.5	*
Congestive Heart Failure	60	21.7	15.1	5.9	33.3	23.4	8.6	43.3	30.2	10.8
Pneumonia/Influenza	65	15.4	15.2	5.7	29.2	21.0	6.9	32.3	25.6	7.5
Chronic Obstructive Pulmonary Disease	36	11.1	6.9	*	13.9	12.3	*	13.9	17.3	*
Transient Cerebral Ischemia	17	0.0	1.7	*	0.0	3.9	*	0.0	6.1	*
Stroke	58	20.7	18.9	5.5	29.3	25.8	6.9	36.2	30.6	10.5
Hip Fracture	34	5.9	4.9	*	14.7	9.3	*	14.7	12.4	*
Sepsis	8	25.0	26.0	*	37.5	33.0	*	37.5	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.3	*	0.0	2.8	*	0.0	4.4	*
Carotid Endarterectomy	7	0.0	1.7	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	12	8.3	3.7	*	8.3	7.4	*	8.3	10.0	*
Open Reduction of Hip Fracture	17	5.9	3.9	*	11.8	7.9	*	11.8	10.9	*
Prostatectomy	27	3.7	1.5	*	11.1	3.7	*	11.1	6.2	*
Cholecystectomy	22	9.1	4.8	*	13.6	8.6	*	13.6	11.2	*
Hysterectomy	5	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,284	9.3	9.8	1.2	14.7	14.8	1.2	19.2	18.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	49	22.4	29.2	*	28.6	33.2	*	36.7	37.2	*
Congestive Heart Failure	56	14.3	16.5	5.3	23.2	25.1	6.4	30.4	32.1	8.8
Pneumonia/Influenza	59	23.7	17.5	6.1	33.9	23.7	8.8	37.3	28.6	8.4
Chronic Obstructive Pulmonary Disease	34	8.8	8.7	*	23.5	15.4	*	32.4	20.8	*
Transient Cerebral Ischemia	31	3.2	1.6	*	3.2	3.5	*	3.2	5.6	*
Stroke	43	11.6	22.4	*	16.3	28.5	*	25.6	32.9	*
Hip Fracture	36	8.3	4.8	*	11.1	8.9	*	16.7	11.9	*
Sepsis	21	42.9	36.6	*	47.6	44.6	*	47.6	51.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	5.1	*	0.0	9.9	*	0.0	13.6	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	12	8.3	3.4	*	8.3	6.5	*	8.3	8.8	*
Open Reduction of Hip Fracture	15	13.3	3.8	*	20.0	7.6	*	26.7	10.3	*
Prostatectomy	35	0.0	1.0	*	0.0	2.5	*	0.0	4.3	*
Cholecystectomy	14	0.0	4.3	*	0.0	5.9	*	0.0	7.2	*
Hysterectomy	4	0.0	0.9	*	0.0	1.8	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JAMES LAWRENCE KERNAN HOSPITAL INC

2200 N Forest Park Ave
Baltimore, MD 21207

Medicare Provider Number: 210058

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	259	1.2	1.9	1.3	1.9	3.7	2.0	4.2	5.6	2.3
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	0.0	8.6	*	0.0	13.7	*	0.0	18.3	*
Pneumonia/Influenza	1	0.0	9.3	*	0.0	12.4	*	0.0	15.5	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	17.8	*	0.0	26.6	*	0.0	32.9	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	26	3.8	0.9	*	3.8	1.4	*	3.8	2.0	*
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	66
Occupancy Rate	49
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	85
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	0
Registered Nurses	52
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JAMES LAWRENCE KERNAN HOSPITAL INC

Medicare Provider Number: 210058

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	226	0.4	1.6	1.0	0.4	2.9	1.6	1.8	4.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	11.7	*	0.0	18.2	*	0.0	23.9	*
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	15.0	*	0.0	22.9	*	0.0	27.9	*
Hip Fracture	6	0.0	5.6	*	0.0	10.2	*	0.0	13.3	*
Sepsis	1	0.0	19.0	*	0.0	22.5	*	0.0	26.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	47	2.1	1.4	*	2.1	2.6	*	2.1	3.5	*
Open Reduction of Hip Fracture	2	0.0	4.7	*	0.0	7.9	*	0.0	9.8	*
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	171	0.0	1.2	1.0	0.6	2.2	1.4	1.8	3.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	7	0.0	2.9	*	0.0	5.8	*	0.0	8.1	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	41	0.0	0.8	*	0.0	1.4	*	2.4	1.9	*
Open Reduction of Hip Fracture	6	0.0	2.4	*	0.0	5.1	*	0.0	7.2	*
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JOHNS HOPKINS HOSPITAL

600 N Wolfe St
Baltimore, MD 21205

Medicare Provider Number: 210009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,241	6.1	7.5	0.4	10.9	12.3	1.0	14.7	16.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	51	21.6	26.0	8.2	29.4	30.1	7.9	33.3	34.4	7.0
Congestive Heart Failure	108	14.8	11.4	4.7	22.2	18.4	5.9	28.7	24.5	6.4
Pneumonia/Influenza	79	19.0	10.9	6.6	22.8	15.4	7.6	29.1	19.2	8.7
Chronic Obstructive Pulmonary Disease	26	3.8	9.6	*	7.7	16.3	*	19.2	21.4	*
Transient Cerebral Ischemia	25	4.0	1.6	*	4.0	3.6	*	4.0	5.6	*
Stroke	88	20.5	20.9	5.9	21.6	26.3	6.8	28.4	30.7	6.8
Hip Fracture	24	0.0	6.8	*	16.7	12.6	*	20.8	16.7	*
Sepsis	28	28.6	31.2	*	39.3	39.5	*	46.4	47.2	*
PROCEDURES:										
Angioplasty	19	0.0	2.6	*	0.0	4.1	*	0.0	5.7	*
Coronary Artery Bypass Graft	159	4.4	6.5	3.6	4.4	9.4	4.8	7.5	11.2	4.7
Initial Pacemaker Insertion	1	0.0	2.1	*	0.0	4.8	*	0.0	7.8	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	3.4	*	20.0	5.4	*
Hip Replacement/Reconstruction	53	0.0	1.5	2.1	1.9	2.9	2.5	1.9	4.2	3.4
Open Reduction of Hip Fracture	4	0.0	6.0	*	25.0	11.2	*	25.0	14.7	*
Prostatectomy	138	0.7	1.1	1.0	2.9	2.6	1.8	3.6	4.3	2.4
Cholecystectomy	32	3.1	7.7	*	9.4	15.0	*	12.5	20.2	*
Hysterectomy	48	0.0	2.2	*	0.0	4.5	*	2.1	6.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	952
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	1,360
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	0
Registered Nurses	1,049
Licensed Practical Nurses	42

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

JOHNS HOPKINS HOSPITAL

Medicare Provider Number: 210009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,072	5.7	7.7	0.5	9.5	12.4	0.6	13.2	16.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	49	16.3	24.2	*	16.3	27.1	*	18.4	30.5	*
Congestive Heart Failure	142	6.3	12.8	3.8	12.7	20.5	4.7	20.4	26.9	4.6
Pneumonia/Influenza	64	17.2	12.6	4.6	28.1	17.8	6.7	37.5	22.0	8.3
Chronic Obstructive Pulmonary Disease	24	12.5	9.3	*	16.7	16.1	*	33.3	21.7	*
Transient Cerebral Ischemia	31	3.2	1.6	*	3.2	3.4	*	6.5	5.3	*
Stroke	84	16.7	21.1	5.6	21.4	26.7	7.6	23.8	31.1	8.7
Hip Fracture	18	0.0	4.2	*	16.7	8.3	*	22.2	11.5	*
Sepsis	17	29.4	26.3	*	35.3	32.7	*	41.2	38.6	*
PROCEDURES:										
Angioplasty	3	0.0	13.8	*	0.0	22.5	*	33.3	28.2	*
Coronary Artery Bypass Graft	131	4.6	7.4	3.0	6.1	10.4	4.3	6.9	12.1	4.8
Initial Pacemaker Insertion	2	0.0	9.7	*	0.0	19.8	*	0.0	29.0	*
Carotid Endarterectomy	5	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	44	0.0	1.6	*	0.0	3.3	*	0.0	4.8	*
Open Reduction of Hip Fracture	3	0.0	3.4	*	0.0	6.7	*	0.0	9.3	*
Prostatectomy	102	1.0	1.2	1.1	2.0	2.7	2.1	2.9	4.4	3.0
Cholecystectomy	35	2.9	7.3	*	2.9	13.7	*	5.7	17.9	*
Hysterectomy	38	2.6	2.9	*	7.9	5.8	*	10.5	8.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,146	5.6	7.8	0.5	9.8	12.3	0.6	13.4	15.9	0.6
CONDITIONS:										
Acute Myocardial Infarction	47	27.7	33.6	*	31.9	37.3	*	36.2	41.2	*
Congestive Heart Failure	121	9.9	15.3	5.9	17.4	23.3	6.2	24.8	30.0	6.2
Pneumonia/Influenza	56	19.6	15.6	5.7	30.4	21.4	7.2	41.1	25.9	8.4
Chronic Obstructive Pulmonary Disease	33	21.2	12.9	*	30.3	20.6	*	33.3	26.2	*
Transient Cerebral Ischemia	42	0.0	2.0	*	0.0	4.4	*	0.0	6.8	*
Stroke	91	16.5	20.8	5.9	19.8	26.4	7.7	23.1	30.9	8.7
Hip Fracture	25	12.0	5.8	*	20.0	10.7	*	24.0	14.2	*
Sepsis	19	47.4	32.8	*	63.2	41.0	*	68.4	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	116	3.4	7.1	4.1	6.9	10.2	5.0	7.8	12.0	5.5
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	19	0.0	1.7	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction	59	3.4	2.5	2.8	3.4	4.9	3.2	5.1	6.8	3.6
Open Reduction of Hip Fracture	7	0.0	3.9	*	0.0	7.5	*	14.3	10.2	*
Prostatectomy	106	0.0	0.9	1.3	1.9	2.3	1.5	2.8	3.9	2.1
Cholecystectomy	34	0.0	6.7	*	0.0	11.5	*	5.9	14.7	*
Hysterectomy	41	2.4	2.9	*	2.4	6.1	*	7.3	8.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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The
Johns Hopkins
Hospital

600 North Wolfe Street / Administration 125
Baltimore, MD 21205
(301) 955-2491

Hamilton Moses III, M.D.
Vice President, Medical Affairs

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Ladies and Gentlemen:

Subject: Response to Medicare Mortality Information Release
Medicare Provider Number 21009

The Johns Hopkins Hospital supports the monitoring of mortality rates as one method of identifying clinical indicators but does not feel that this is an absolute proxy for measuring the quality of medical care. We have been routinely monitoring mortality rates for our inpatients for several years and combine this clinical information with other clinical indicators that assist us in measuring the quality of the care we provide. By having this information available, we are able to compare our data with HCFA's data calculating mortality at 30, 90, and 180 days following a randomly selected admission in fiscal years 1987, 1988, and 1989.

The preliminary analysis of the HCFA mortality data indicates that for all categories in the 1989 data, save one, The Johns Hopkins Hospital is at or below the upper limit of predicted (1.2 times the standard deviation). In one area, pneumonia and influenza, the 1989 mortality is slightly above your suggested range, but is consistent with the 1988 and 1987 rates. Our further analysis of this group suggests that this slightly higher mortality for pneumonia and influenza is fully accounted for by the large number of patients with AIDS and cancer in that category.

Being a tertiary care facility, The Johns Hopkins Hospital receives many patients who are transferred from other hospitals. Analysis of the HCFA data indicates that we have a substantial number of Medicare patients transferred to our hospital. In addition, HCFA's new method of selecting randomly among admissions neglects the effect of subsequent hospitalizations so that patients who are particularly ill and who need further treatment and hospitalization (and who therefore can be expected to have higher mortality) are not adequately accounted for in the analysis. This serves to erroneously raise their apparent

JOHNS
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HEALTH
SYSTEM

mortality rate. In our view, it would be desirable for HCFA to introduce additional means to correct for large volumes of tertiary care and greater severity of illness, so that hospitals like Hopkins are not disadvantaged in the analysis for taking care of many individuals who have multiple, severe health problems.

Further analysis of the HCFA data is planned so that we can maximize its utility to The Johns Hopkins Hospital.

Sincerely yours,

Hamilton Moses, III, M.D.

HMIII:mvh

KENT & QUEEN ANNES HOSPITAL

Brown St
Chestertown, MD 21620

Medicare Provider Number: 210030

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	779	7.3	8.8	1.6	11.9	13.4	1.9	15.7	17.3	2.2
CONDITIONS:										
Acute Myocardial Infarction	22	13.6	20.0	*	13.6	22.5	*	13.6	25.5	*
Congestive Heart Failure	39	20.5	15.9	*	23.1	24.4	*	33.3	31.4	*
Pneumonia/Influenza	44	20.5	16.1	*	27.3	22.1	*	31.8	26.4	*
Chronic Obstructive Pulmonary Disease	16	0.0	7.1	*	0.0	12.1	*	0.0	17.1	*
Transient Cerebral Ischemia	23	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Stroke	12	25.0	31.0	*	33.3	37.4	*	41.7	42.0	*
Hip Fracture	12	8.3	5.5	*	8.3	10.0	*	8.3	13.3	*
Sepsis	5	20.0	29.0	*	20.0	35.8	*	20.0	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	5.0	*	0.0	9.1	*	0.0	12.7	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.6	*	0.0	3.6	*
Hip Replacement/Reconstruction	3	0.0	3.9	*	0.0	7.2	*	0.0	9.6	*
Open Reduction of Hip Fracture	6	0.0	5.6	*	0.0	11.0	*	0.0	15.0	*
Prostatectomy	34	2.9	2.4	*	2.9	5.5	*	8.8	8.7	*
Cholecystectomy	17	0.0	4.3	*	0.0	6.8	*	0.0	8.4	*
Hysterectomy	3	0.0	2.3	*	0.0	4.5	*	0.0	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	64
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	32
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	76
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

KENT & QUEEN ANNES HOSPITAL

Medicare Provider Number: 210030

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	823	9.0	9.6	1.1	12.9	14.6	1.4	15.7	18.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	29	37.9	25.2	*	37.9	28.9	*	37.9	32.6	*
Congestive Heart Failure	50	10.0	15.4	*	14.0	23.1	*	18.0	29.5	*
Pneumonia/Influenza	45	24.4	17.0	*	26.7	22.5	*	28.9	26.8	*
Chronic Obstructive Pulmonary Disease	20	15.0	11.9	*	20.0	19.6	*	25.0	26.1	*
Transient Cerebral Ischemia	28	0.0	2.0	*	3.6	4.4	*	3.6	6.9	*
Stroke	11	27.3	29.1	*	36.4	35.2	*	54.5	39.7	*
Hip Fracture	17	0.0	6.2	*	0.0	11.0	*	0.0	14.4	*
Sepsis	7	28.6	22.3	*	42.9	30.9	*	42.9	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.4	*	0.0	12.0	*	0.0	15.5	*
Open Reduction of Hip Fracture	8	0.0	4.8	*	0.0	8.9	*	0.0	11.9	*
Prostatectomy	24	0.0	2.0	*	4.2	4.7	*	4.2	7.7	*
Cholecystectomy	14	0.0	3.7	*	0.0	6.1	*	0.0	7.3	*
Hysterectomy	8	0.0	3.7	*	0.0	5.6	*	0.0	6.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	754	6.4	8.4	1.5	11.4	13.5	2.0	14.9	17.6	2.2
CONDITIONS:										
Acute Myocardial Infarction	23	17.4	21.9	*	21.7	25.3	*	21.7	28.9	*
Congestive Heart Failure	51	11.8	13.8	5.3	21.6	21.7	7.3	27.5	28.5	6.4
Pneumonia/Influenza	26	7.7	15.8	*	19.2	21.3	*	26.9	25.8	*
Chronic Obstructive Pulmonary Disease	43	0.0	7.2	*	7.0	13.5	*	11.6	18.7	*
Transient Cerebral Ischemia	12	0.0	1.9	*	0.0	3.8	*	0.0	5.7	*
Stroke	19	26.3	19.9	*	26.3	27.2	*	31.6	31.8	*
Hip Fracture	0									
Sepsis	7	14.3	25.6	*	14.3	34.6	*	28.6	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.8	*	0.0	6.5	*	0.0	8.8	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	24	8.3	2.0	*	8.3	5.2	*	12.5	8.7	*
Cholecystectomy	10	0.0	1.6	*	10.0	3.0	*	20.0	4.0	*
Hysterectomy	3	0.0	2.7	*	0.0	5.7	*	0.0	9.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LIBERTY MEDICAL CENTER

730 Ashburton St
Baltimore, MD 21216

Medicare Provider Number: 210059

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,588	10.5	8.9	1.3	16.4	14.3	1.1	21.8	18.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	24	12.5	28.4	*	12.5	31.4	*	16.7	35.0	*
Congestive Heart Failure	111	15.3	14.2	4.0	23.4	22.5	4.3	27.9	29.4	5.0
Pneumonia/Influenza	68	20.6	16.7	4.8	33.8	23.7	7.2	41.2	28.9	8.1
Chronic Obstructive Pulmonary Disease	33	18.2	8.4	*	21.2	14.9	*	24.2	20.4	*
Transient Cerebral Ischemia	22	4.5	1.8	*	9.1	3.9	*	9.1	6.3	*
Stroke	73	15.1	15.9	5.1	26.0	22.8	6.8	32.9	27.3	7.2
Hip Fracture	21	4.8	4.6	*	9.5	8.8	*	19.0	11.8	*
Sepsis	18	27.8	27.6	*	55.6	35.9	*	61.1	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.5	*	22.2	5.5	*	22.2	8.6	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.5	*	0.0	2.2	*
Hip Replacement/Reconstruction	6	16.7	4.5	*	16.7	8.8	*	16.7	11.8	*
Open Reduction of Hip Fracture	12	0.0	4.0	*	8.3	7.9	*	25.0	10.7	*
Prostatectomy	45	0.0	2.0	*	2.2	4.0	*	6.7	6.2	*
Cholecystectomy	10	10.0	6.1	*	10.0	12.2	*	20.0	16.5	*
Hysterectomy	2	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	282
Occupancy Rate	77
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	265
Percent of Physicians Board Certified Specialists	54
Medical Residents/Interns	4
Registered Nurses	182
Licensed Practical Nurses	42

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LIBERTY MEDICAL CENTER

Medicare Provider Number: 210059

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,578	9.6	9.1	0.7	16.9	14.3	1.0	22.3	18.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	31	38.7	30.0	*	45.2	33.4	*	51.6	37.1	*
Congestive Heart Failure	98	17.3	15.0	4.9	28.6	23.7	5.7	33.7	30.8	5.0
Pneumonia/Influenza	69	14.5	17.5	5.2	31.9	24.3	5.8	40.6	29.5	7.6
Chronic Obstructive Pulmonary Disease	30	10.0	8.5	*	16.7	14.7	*	20.0	20.2	*
Transient Cerebral Ischemia	18	0.0	1.6	*	0.0	3.4	*	0.0	5.4	*
Stroke	76	19.7	15.1	5.4	26.3	21.5	6.8	34.2	25.8	9.3
Hip Fracture	12	8.3	7.7	*	8.3	13.8	*	8.3	17.5	*
Sepsis	37	29.7	33.9	*	45.9	43.4	*	51.4	50.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	2.7	*	18.2	5.5	*	27.3	8.1	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	3	0.0	5.7	*	0.0	11.4	*	33.3	14.9	*
Open Reduction of Hip Fracture	6	16.7	4.9	*	16.7	9.3	*	16.7	12.3	*
Prostatectomy	41	2.4	2.3	*	4.9	5.7	*	9.8	9.2	*
Cholecystectomy	22	9.1	6.0	*	22.7	12.0	*	22.7	16.1	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,595	11.0	10.2	1.1	18.2	15.9	1.5	22.9	20.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	30.8	*	42.9	34.6	*	47.6	38.4	*
Congestive Heart Failure	111	17.1	15.8	3.7	24.3	24.3	4.5	32.4	31.2	4.7
Pneumonia/Influenza	67	16.4	18.3	6.0	25.4	25.7	5.4	34.3	31.3	6.7
Chronic Obstructive Pulmonary Disease	28	7.1	11.6	*	10.7	19.5	*	14.3	25.5	*
Transient Cerebral Ischemia	23	0.0	1.7	*	0.0	3.8	*	0.0	6.1	*
Stroke	96	17.7	17.6	3.9	30.2	25.1	5.7	32.3	29.7	6.4
Hip Fracture	17	17.6	5.9	*	17.6	10.5	*	29.4	13.5	*
Sepsis	34	26.5	33.6	*	50.0	43.2	*	50.0	50.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.2	*	8.3	7.0	*	8.3	10.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	4.2	*	25.0	7.7	*	25.0	10.0	*
Open Reduction of Hip Fracture	12	8.3	4.8	*	8.3	8.9	*	25.0	11.7	*
Prostatectomy	49	2.0	1.8	*	6.1	4.4	*	8.2	7.4	*
Cholecystectomy	15	0.0	2.4	*	6.7	4.5	*	6.7	6.0	*
Hysterectomy	1	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MARYLAND GENERAL HOSPITAL

827 Linden Ave
Baltimore, MD 21201

Medicare Provider Number: 210038

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,779	9.1	9.0	0.8	16.3	14.8	1.2	21.0	19.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	42	11.9	23.7	*	28.6	27.2	*	31.0	30.7	*
Congestive Heart Failure	104	14.4	12.6	4.7	26.0	20.4	7.7	32.7	27.3	9.1
Pneumonia/Influenza	67	23.9	16.0	7.5	31.3	23.0	7.0	34.3	28.3	6.5
Chronic Obstructive Pulmonary Disease	12	8.3	7.7	*	16.7	14.4	*	25.0	20.1	*
Transient Cerebral Ischemia	37	5.4	1.5	*	5.4	3.4	*	8.1	5.4	*
Stroke	76	11.8	17.4	5.6	21.1	23.5	5.2	30.3	27.9	5.4
Hip Fracture	21	19.0	5.3	*	23.8	10.2	*	23.8	14.1	*
Sepsis	63	30.2	24.2	9.3	46.0	33.5	10.6	52.4	40.6	10.2
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.0	*	0.0	6.0	*	0.0	8.8	*
Carotid Endarterectomy	7	0.0	1.5	*	14.3	3.1	*	14.3	4.5	*
Hip Replacement/Reconstruction	8	25.0	6.3	*	37.5	12.1	*	50.0	16.5	*
Open Reduction of Hip Fracture	8	12.5	3.7	*	12.5	7.3	*	12.5	10.0	*
Prostatectomy	49	2.0	1.3	*	6.1	3.2	*	6.1	5.6	*
Cholecystectomy	23	0.0	3.5	*	13.0	6.4	*	17.4	8.1	*
Hysterectomy	15	0.0	1.3	*	0.0	2.7	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	213
Occupancy Rate	88
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	288
Percent of Physicians Board Certified Specialists	31
Medical Residents/Interns	43
Registered Nurses	260
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARYLAND GENERAL HOSPITAL

Medicare Provider Number: 210038

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,711	9.8	9.7	1.0	16.4	15.3	1.3	20.6	19.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	40	27.5	25.8	*	32.5	28.4	*	37.5	31.7	*
Congestive Heart Failure	107	9.3	13.3	4.7	21.5	21.1	4.1	26.2	27.6	5.2
Pneumonia/Influenza	52	21.2	15.5	6.4	28.8	21.6	8.2	38.5	26.4	10.7
Chronic Obstructive Pulmonary Disease	11	0.0	5.9	*	0.0	11.0	*	0.0	15.6	*
Transient Cerebral Ischemia	25	0.0	1.7	*	4.0	3.8	*	4.0	6.0	*
Stroke	72	16.7	19.9	7.9	23.6	26.9	9.5	25.0	31.7	9.6
Hip Fracture	23	8.7	4.8	*	17.4	9.0	*	17.4	12.0	*
Sepsis	35	40.0	29.9	*	57.1	38.6	*	57.1	45.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	6.5	*	33.3	13.0	*	33.3	18.6	*
Carotid Endarterectomy	7	14.3	1.3	*	14.3	2.5	*	14.3	3.6	*
Hip Replacement/Reconstruction	11	0.0	3.6	*	9.1	7.1	*	9.1	9.4	*
Open Reduction of Hip Fracture	8	12.5	4.1	*	25.0	8.1	*	25.0	11.0	*
Prostatectomy	57	0.0	1.6	2.2	3.5	3.5	3.6	3.5	5.6	4.3
Cholecystectomy	9	0.0	2.7	*	0.0	5.0	*	0.0	6.5	*
Hysterectomy	7	0.0	0.6	*	0.0	1.5	*	14.3	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,602	9.2	9.3	0.8	15.2	14.5	1.0	20.0	18.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	40	35.0	27.0	*	42.5	30.2	*	47.5	33.6	*
Congestive Heart Failure	79	11.4	16.2	5.2	24.1	25.0	5.5	35.4	32.1	6.0
Pneumonia/Influenza	48	20.8	15.7	*	27.1	21.5	*	31.3	26.2	*
Chronic Obstructive Pulmonary Disease	7	14.3	6.6	*	14.3	13.9	*	28.6	20.3	*
Transient Cerebral Ischemia	40	2.5	1.8	*	2.5	3.9	*	5.0	6.2	*
Stroke	69	8.7	20.7	7.2	24.6	26.8	7.0	27.5	31.2	5.9
Hip Fracture	16	6.3	5.2	*	6.3	9.8	*	12.5	13.0	*
Sepsis	13	15.4	28.1	*	23.1	35.4	*	23.1	41.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.7	*	0.0	5.5	*	0.0	8.2	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	5	0.0	5.1	*	20.0	11.3	*	20.0	16.7	*
Open Reduction of Hip Fracture	8	0.0	3.9	*	0.0	7.8	*	0.0	10.6	*
Prostatectomy	71	0.0	1.3	1.7	0.0	3.1	3.3	2.8	5.0	3.6
Cholecystectomy	24	8.3	4.4	*	8.3	8.2	*	12.5	10.9	*
Hysterectomy	6	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

101.1

Baltimore, Maryland 21201
301 225-8000

January 14, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standard and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Enclosed are the comments to be published for Maryland General Hospital-Medicare Provider # 21-0038 concerning the Medicare Hospital Mortality Information.

Sincerely,

J.R. Wood
Chairman and
Chief Executive Officer

JRW/tm

Baltimore, Maryland 21201
30 225-8000

Medicare Provider NO. 21-0038

Maryland General Hospital has reviewed the mortality information compiled by the Health Care Financing Administration. We have found that Maryland General Hospital is within the confidence interval or "acceptable range." Even though Maryland General Hospital's mortality data is within the confidence interval, every death is examined through the quality assurance process to assess the totality of the circumstances.

We believe that mortality data is one screening tool available to hospitals for performing the peer review process. However, mortality rates by themselves do not measure quality, nor should they ever by used to reach conclusions regarding quality of care. It is only through actual case review conducted by Maryland General Hospital's trained professionals that quality judgements can be made.

Quality of care is of utmost concern to the hospital's governing board, management and medical staff. Mortality data is a useful indicator of quality only when used in conjunction with the entire spectrum of care and all possible outcomes. Because of its importance, Maryland General Hospital has a comprehensive ongoing quality assurance program that evaluates the quality and appropriateness of all aspects of patient care. Any indication of a potential quality problem, including but not limited to those associated with mortality, leads to corrective action and follow-up activities to assure resolution.

MEMORIAL HOSPITAL & MED CTR CUMBERLAND

600 Memorial Ave
Cumberland, MD 21502

Medicare Provider Number: 210025

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,329	9.6	8.3	0.9	13.9	13.2	0.8	17.3	17.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	58	34.5	24.3	6.8	37.9	28.1	6.9	37.9	32.0	6.5
Congestive Heart Failure	134	14.9	14.7	4.5	27.6	23.2	6.5	32.8	30.5	6.7
Pneumonia/Influenza	107	11.2	13.6	5.2	15.0	18.9	5.9	19.6	23.5	6.5
Chronic Obstructive Pulmonary Disease	23	17.4	7.0	*	30.4	12.6	*	34.8	17.3	*
Transient Cerebral Ischemia	52	0.0	1.2	1.8	0.0	2.6	3.1	1.9	4.2	3.4
Stroke	80	22.5	16.7	8.0	30.0	23.3	7.6	32.5	27.6	6.8
Hip Fracture	43	4.7	5.5	*	9.3	10.3	*	11.6	13.8	*
Sepsis	35	34.3	23.3	*	40.0	31.1	*	40.0	37.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.3	*	0.0	4.7	*	7.1	7.0	*
Carotid Endarterectomy	6	0.0	2.0	*	0.0	4.5	*	0.0	7.4	*
Hip Replacement/Reconstruction	36	5.6	3.4	*	8.3	6.6	*	8.3	9.0	*
Open Reduction of Hip Fracture	19	0.0	4.8	*	0.0	9.5	*	5.3	12.9	*
Prostatectomy	28	0.0	1.5	*	0.0	3.6	*	3.6	6.1	*
Cholecystectomy	45	2.2	3.1	*	2.2	5.8	*	2.2	7.7	*
Hysterectomy	14	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	214
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	80
Percent of Physicians Board Certified Specialists	59
Medical Residents/Interns	0
Registered Nurses	224
Licensed Practical Nurses	30

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL & MED CTR CUMBERLAND

Medicare Provider Number: 210025

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,195	8.8	8.8	1.1	15.4	13.9	1.4	18.6	17.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	67	23.9	23.6	5.2	29.9	26.6	5.8	32.8	29.8	6.5
Congestive Heart Failure	136	11.0	14.8	3.9	25.0	23.1	4.2	28.7	30.0	4.5
Pneumonia/Influenza	104	16.3	14.5	4.3	24.0	20.1	6.9	26.0	24.5	6.4
Chronic Obstructive Pulmonary Disease	7	14.3	7.1	*	28.6	14.4	*	28.6	20.5	*
Transient Cerebral Ischemia	59	0.0	1.4	1.9	3.4	3.1	3.2	3.4	5.0	4.5
Stroke	84	10.7	14.0	6.4	19.0	20.6	8.2	23.8	25.0	5.2
Hip Fracture	35	11.4	5.4	*	17.1	10.0	*	20.0	13.3	*
Sepsis	38	28.9	29.1	*	44.7	36.6	*	47.4	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.7	*	0.0	7.2	*	10.0	10.4	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	36	5.6	3.0	*	11.1	5.6	*	13.9	7.4	*
Open Reduction of Hip Fracture	14	14.3	4.2	*	14.3	8.4	*	14.3	11.4	*
Prostatectomy	24	0.0	1.5	*	4.2	3.9	*	4.2	6.4	*
Cholecystectomy	25	0.0	3.5	*	0.0	6.5	*	0.0	8.7	*
Hysterectomy	7	14.3	2.5	*	14.3	5.6	*	28.6	8.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,183	9.5	10.1	0.8	14.2	15.3	0.9	17.7	19.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	69	33.3	27.9	8.7	36.2	31.3	8.8	39.1	34.7	9.1
Congestive Heart Failure	141	14.9	17.4	4.8	22.7	26.0	5.6	29.8	32.9	6.6
Pneumonia/Influenza	81	13.6	16.4	4.8	19.8	22.3	6.3	24.7	27.1	6.1
Chronic Obstructive Pulmonary Disease	28	10.7	10.6	*	17.9	19.3	*	25.0	26.0	*
Transient Cerebral Ischemia	56	0.0	1.5	*	0.0	3.3	*	0.0	5.1	*
Stroke	85	17.6	20.4	5.7	25.9	28.3	7.0	29.4	33.1	7.2
Hip Fracture	59	5.1	6.2	3.3	6.8	11.0	5.9	8.5	14.3	8.1
Sepsis	23	39.1	31.9	*	39.1	39.6	*	52.2	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.2	*	0.0	6.1	*	0.0	9.0	*
Carotid Endarterectomy	3	0.0	1.9	*	0.0	3.9	*	0.0	5.8	*
Hip Replacement/Reconstruction	47	2.1	3.8	*	4.3	6.6	*	6.4	8.5	*
Open Reduction of Hip Fracture	31	6.5	5.2	*	6.5	10.2	*	6.5	13.9	*
Prostatectomy	38	5.3	1.7	*	7.9	4.1	*	7.9	6.6	*
Cholecystectomy	35	0.0	6.3	*	2.9	9.8	*	5.7	12.0	*
Hysterectomy	5	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEMORIAL HOSPITAL AT EASTON

219 S Washington St
Easton, MD 21601

Medicare Provider Number: 210037

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,246	9.7	8.6	0.8	14.6	13.1	1.1	18.1	16.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	102	17.6	24.6	6.5	22.5	28.2	6.6	24.5	31.8	7.6
Congestive Heart Failure	113	15.0	13.1	3.6	27.4	20.8	8.3	32.7	27.6	7.3
Pneumonia/Influenza	86	15.1	13.7	3.9	20.9	19.0	5.0	23.3	23.4	4.7
Chronic Obstructive Pulmonary Disease	35	2.9	7.8	*	14.3	14.1	*	22.9	19.6	*
Transient Cerebral Ischemia	41	0.0	1.5	*	4.9	3.3	*	7.3	5.3	*
Stroke	93	17.2	17.9	4.1	21.5	24.0	5.0	28.0	28.4	4.7
Hip Fracture	55	10.9	5.0	6.0	14.5	9.3	6.1	18.2	12.4	6.6
Sepsis	18	38.9	29.5	*	44.4	37.7	*	44.4	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	3.5	*	18.2	6.5	*	18.2	9.4	*
Carotid Endarterectomy	11	0.0	1.8	*	9.1	3.6	*	9.1	5.4	*
Hip Replacement/Reconstruction	57	0.0	2.2	*	1.8	4.1	*	1.8	5.6	*
Open Reduction of Hip Fracture	27	18.5	4.7	*	18.5	9.2	*	25.9	12.4	*
Prostatectomy	92	1.1	1.7	1.5	1.1	3.6	2.6	4.3	5.7	2.9
Cholecystectomy	38	0.0	2.6	*	0.0	4.4	*	2.6	5.6	*
Hysterectomy	15	0.0	0.5	*	6.7	1.1	*	6.7	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	201
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	78
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	0
Registered Nurses	179
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL AT EASTON

Medicare Provider Number: 210037

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,255	9.2	8.2	0.8	14.3	12.9	1.1	18.1	16.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	63	28.6	24.2	6.6	33.3	27.5	7.6	36.5	30.8	7.7
Congestive Heart Failure	127	13.4	14.1	3.3	21.3	21.4	5.9	25.2	27.7	5.9
Pneumonia/Influenza	73	21.9	15.7	7.4	31.5	21.3	9.9	32.9	25.8	8.3
Chronic Obstructive Pulmonary Disease	31	3.2	6.7	*	12.9	11.4	*	12.9	15.7	*
Transient Cerebral Ischemia	39	0.0	2.1	*	0.0	4.7	*	2.6	7.3	*
Stroke	87	19.5	17.6	5.2	28.7	23.9	7.8	34.5	28.4	10.4
Hip Fracture	61	1.6	5.7	4.5	11.5	10.4	4.2	13.1	13.5	4.5
Sepsis	21	28.6	28.7	*	42.9	36.1	*	47.6	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	5.9	*	12.5	8.8	*	12.5	11.4	*
Carotid Endarterectomy	7	0.0	2.1	*	0.0	4.2	*	14.3	6.4	*
Hip Replacement/Reconstruction	47	0.0	3.1	*	0.0	5.5	*	2.1	7.2	*
Open Reduction of Hip Fracture	27	3.7	5.3	*	18.5	10.3	*	18.5	13.8	*
Prostatectomy	88	3.4	1.2	2.1	5.7	3.0	3.2	8.0	4.9	3.6
Cholecystectomy	27	0.0	3.0	*	0.0	5.2	*	3.7	6.5	*
Hysterectomy	11	0.0	0.7	*	0.0	1.5	*	9.1	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,270	10.5	10.4	0.7	15.6	15.5	0.8	19.0	19.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	113	29.2	26.0	5.5	30.1	29.6	6.5	30.1	33.3	8.4
Congestive Heart Failure	121	22.3	17.0	4.7	28.9	25.3	4.6	37.2	32.1	5.2
Pneumonia/Influenza	96	16.7	18.0	4.3	25.0	24.0	5.5	29.2	28.8	5.1
Chronic Obstructive Pulmonary Disease	26	7.7	13.4	*	11.5	20.3	*	19.2	25.1	*
Transient Cerebral Ischemia	32	0.0	1.8	*	0.0	4.0	*	3.1	6.3	*
Stroke	86	27.9	23.5	8.2	36.0	29.7	8.0	37.2	34.3	6.5
Hip Fracture	66	7.6	6.6	4.0	10.6	11.6	4.0	13.6	14.9	4.7
Sepsis	23	30.4	28.3	*	39.1	34.5	*	39.1	40.4	*
PROCEDURES:										
Angioplasty	1	0.0	1.7	*	0.0	2.8	*	0.0	4.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	2.4	*	5.3	5.2	*	5.3	8.0	*
Carotid Endarterectomy	10	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	49	6.1	3.6	*	6.1	6.6	*	6.1	8.8	*
Open Reduction of Hip Fracture	34	8.8	5.5	*	11.8	10.4	*	14.7	13.7	*
Prostatectomy	67	0.0	1.8	2.3	3.0	4.3	2.9	9.0	7.1	3.3
Cholecystectomy	30	0.0	4.1	*	0.0	7.0	*	0.0	8.7	*
Hysterectomy	19	0.0	0.9	*	0.0	1.8	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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MEMORIAL HOSPITAL AT EASTON
Easton, MD

Provider Number: 210037

The hospital's comments consisted primarily of annotations to the patient-specific information and/or the hospital characteristics generated by the Health Care Financing Administration and provided to the hospital. We did not publish this annotated information.

MERCY MEDICAL CENTER INC

301 St Paul Place
Baltimore, MD 21202

Medicare Provider Number: 210008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,924	6.9	8.0	0.8	12.4	13.1	1.1	16.9	17.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	44	20.5	23.6	*	22.7	27.0	*	22.7	30.7	*
Congestive Heart Failure	99	12.1	13.7	5.2	22.2	22.3	4.4	30.3	29.3	4.7
Pneumonia/Influenza	90	11.1	14.6	4.2	18.9	20.3	4.3	26.7	24.8	4.7
Chronic Obstructive Pulmonary Disease	24	4.2	8.6	*	8.3	14.9	*	12.5	20.4	*
Transient Cerebral Ischemia	23	0.0	2.0	*	0.0	4.5	*	0.0	7.1	*
Stroke	62	8.1	17.5	6.5	16.1	23.0	6.9	22.6	27.2	6.1
Hip Fracture	30	6.7	4.5	*	16.7	8.5	*	20.0	11.4	*
Sepsis	16	31.3	25.2	*	56.3	32.7	*	62.5	39.1	*
PROCEDURES:										
Angioplasty	1	0.0	3.9	*	100.0	8.2	*	100.0	11.5	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.6	*	0.0	5.6	*	0.0	9.0	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	23	4.3	2.4	*	17.4	5.0	*	21.7	7.0	*
Open Reduction of Hip Fracture	9	11.1	4.8	*	11.1	9.1	*	11.1	12.1	*
Prostatectomy	98	0.0	1.2	1.4	1.0	3.0	2.1	2.0	5.1	2.9
Cholecystectomy	22	0.0	2.1	*	0.0	4.2	*	0.0	6.0	*
Hysterectomy	11	9.1	1.8	*	9.1	4.1	*	9.1	6.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	290
Occupancy Rate	75
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	358
Percent of Physicians Board Certified Specialists	88
Medical Residents/Interns	19
Registered Nurses	237
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MERCY MEDICAL CENTER INC

Medicare Provider Number: 210008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,088	7.6	7.8	1.0	12.5	12.8	0.8	16.9	16.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	42	19.0	21.2	*	26.2	24.3	*	26.2	27.7	*
Congestive Heart Failure	110	12.7	13.3	3.4	20.0	21.2	5.6	22.7	27.7	7.8
Pneumonia/Influenza	71	15.5	12.1	4.5	19.7	17.0	4.7	22.5	21.1	5.6
Chronic Obstructive Pulmonary Disease	20	15.0	5.5	*	20.0	10.2	*	30.0	14.4	*
Transient Cerebral Ischemia	27	3.7	1.9	*	11.1	4.1	*	14.8	6.4	*
Stroke	51	3.9	15.2	6.7	13.7	20.9	9.2	23.5	25.1	12.8
Hip Fracture	22	4.5	5.1	*	9.1	9.8	*	13.6	13.2	*
Sepsis	9	0.0	29.3	*	11.1	38.3	*	33.3	45.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.5	*	0.0	7.1	*	0.0	10.5	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	13	0.0	3.7	*	7.7	8.6	*	7.7	13.1	*
Open Reduction of Hip Fracture	13	7.7	5.4	*	15.4	10.7	*	23.1	14.8	*
Prostatectomy	92	5.4	1.8	3.7	5.4	4.4	2.6	8.7	7.4	4.1
Cholecystectomy	34	2.9	4.3	*	2.9	8.5	*	5.9	11.7	*
Hysterectomy	9	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,106	7.7	8.7	0.9	12.0	13.5	1.1	15.8	17.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	63	30.2	26.2	9.4	33.3	29.6	9.3	38.1	33.2	9.2
Congestive Heart Failure	78	15.4	14.5	4.1	20.5	22.2	4.9	24.4	28.5	7.1
Pneumonia/Influenza	64	12.5	15.8	8.8	14.1	21.5	10.5	18.8	26.0	11.5
Chronic Obstructive Pulmonary Disease	22	18.2	8.9	*	22.7	15.7	*	27.3	21.4	*
Transient Cerebral Ischemia	21	4.8	1.9	*	14.3	4.1	*	23.8	6.3	*
Stroke	62	21.0	20.5	5.6	22.6	26.5	7.2	27.4	30.9	7.6
Hip Fracture	41	2.4	5.9	*	9.8	10.6	*	14.6	13.7	*
Sepsis	10	20.0	30.5	*	30.0	38.5	*	60.0	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	3.5	*	18.2	6.5	*	27.3	9.3	*
Carotid Endarterectomy	3	33.3	1.5	*	33.3	2.7	*	33.3	3.9	*
Hip Replacement/Reconstruction	20	0.0	3.9	*	10.0	7.4	*	10.0	9.8	*
Open Reduction of Hip Fracture	15	6.7	5.9	*	6.7	11.0	*	6.7	14.3	*
Prostatectomy	97	2.1	1.4	1.5	5.2	3.4	3.0	8.2	5.6	4.7
Cholecystectomy	38	2.6	2.5	*	2.6	4.8	*	5.3	6.6	*
Hysterectomy	13	0.0	0.9	*	0.0	2.2	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MONTGOMERY GENERAL HOSPITAL INC

18101 Prince Philip Drive
Olney, MD 20832

Medicare Provider Number: 210018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,537	9.4	8.6	0.9	14.6	13.6	1.1	18.9	17.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	35	25.7	22.3	*	25.7	26.0	*	31.4	29.5	*
Congestive Heart Failure	69	13.0	13.6	4.2	24.6	22.0	5.9	31.9	29.1	6.7
Pneumonia/Influenza	56	23.2	15.3	7.0	32.1	21.2	8.5	33.9	25.9	7.8
Chronic Obstructive Pulmonary Disease	16	18.8	7.8	*	25.0	13.6	*	25.0	18.7	*
Transient Cerebral Ischemia	31	6.5	1.6	*	6.5	3.5	*	6.5	5.4	*
Stroke	87	27.6	16.9	5.5	40.2	23.9	8.2	42.5	28.4	8.0
Hip Fracture	41	4.9	4.7	*	9.8	9.0	*	17.1	12.2	*
Sepsis	15	20.0	28.3	*	20.0	35.7	*	20.0	41.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	1.8	*	8.3	4.0	*	8.3	6.5	*
Carotid Endarterectomy	14	0.0	1.9	*	0.0	3.7	*	0.0	5.5	*
Hip Replacement/Reconstruction	28	0.0	2.9	*	0.0	5.8	*	3.6	8.0	*
Open Reduction of Hip Fracture	19	10.5	4.4	*	21.1	8.7	*	31.6	12.0	*
Prostatectomy	55	3.6	1.0	2.0	3.6	2.3	3.6	7.3	4.0	4.3
Cholecystectomy	19	0.0	2.7	*	5.3	4.9	*	5.3	6.5	*
Hysterectomy	15	0.0	0.8	*	6.7	1.8	*	6.7	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	229
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	105
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	174
Licensed Practical Nurses	1

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MONTGOMERY GENERAL HOSPITAL INC

Medicare Provider Number: 210018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,460	9.7	9.2	0.8	16.0	14.0	1.4	18.7	17.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	47	12.8	22.8	*	23.4	26.1	*	23.4	29.4	*
Congestive Heart Failure	38	18.4	16.5	*	31.6	25.7	*	39.5	33.1	*
Pneumonia/Influenza	52	17.3	17.2	5.2	23.1	23.4	5.9	28.8	28.2	6.3
Chronic Obstructive Pulmonary Disease	19	5.3	6.5	*	10.5	11.3	*	10.5	15.6	*
Transient Cerebral Ischemia	31	3.2	1.9	*	9.7	3.8	*	9.7	5.8	*
Stroke	63	22.2	17.2	10.2	31.7	24.7	10.6	36.5	29.4	11.8
Hip Fracture	48	6.3	4.3	*	8.3	8.3	*	8.3	11.0	*
Sepsis	10	30.0	37.3	*	60.0	48.8	*	60.0	56.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	2.9	*	7.1	5.3	*	14.3	7.8	*
Carotid Endarterectomy	20	0.0	2.1	*	0.0	4.3	*	0.0	6.4	*
Hip Replacement/Reconstruction	24	8.3	2.5	*	8.3	5.0	*	8.3	6.6	*
Open Reduction of Hip Fracture	29	6.9	3.7	*	10.3	7.3	*	10.3	10.1	*
Prostatectomy	50	0.0	1.3	*	4.0	3.1	*	8.0	5.1	*
Cholecystectomy	25	0.0	2.9	*	4.0	5.1	*	4.0	6.5	*
Hysterectomy	11	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,384	8.7	8.7	0.8	12.5	13.1	1.0	17.0	16.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	46	19.6	25.1	*	21.7	28.2	*	23.9	31.4	*
Congestive Heart Failure	53	18.9	16.6	6.1	22.6	25.1	6.3	32.1	32.1	6.8
Pneumonia/Influenza	36	16.7	15.3	*	19.4	20.7	*	27.8	25.2	*
Chronic Obstructive Pulmonary Disease	14	7.1	7.5	*	7.1	12.4	*	7.1	16.7	*
Transient Cerebral Ischemia	25	0.0	1.6	*	4.0	3.1	*	4.0	4.6	*
Stroke	53	26.4	21.4	7.2	28.3	29.5	6.5	35.8	34.4	6.6
Hip Fracture	50	12.0	5.6	*	18.0	10.4	*	22.0	13.8	*
Sepsis	8	25.0	28.0	*	50.0	35.2	*	62.5	41.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	6.2	*	10.0	11.3	*	15.0	15.5	*
Carotid Endarterectomy	8	0.0	1.6	*	12.5	3.4	*	12.5	5.1	*
Hip Replacement/Reconstruction	31	9.7	3.4	*	9.7	6.4	*	12.9	8.6	*
Open Reduction of Hip Fracture	19	10.5	5.7	*	15.8	11.0	*	21.1	14.8	*
Prostatectomy	58	0.0	0.8	1.8	0.0	1.9	3.9	5.2	3.3	3.2
Cholecystectomy	23	0.0	1.7	*	0.0	3.1	*	0.0	4.0	*
Hysterectomy	18	0.0	1.0	*	5.6	2.2	*	5.6	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTH ARUNDEL HOSPITAL

301 Hospital Dr
Glen Burnie, MD 21061

Medicare Provider Number: 210043

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,045	8.3	8.4	0.8	12.5	13.1	0.9	16.5	16.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	84	25.0	24.9	5.5	31.0	28.1	5.6	33.3	32.1	5.3
Congestive Heart Failure	168	8.9	14.1	4.1	14.9	22.5	5.1	25.6	29.7	4.5
Pneumonia/Influenza	122	16.4	15.3	5.6	23.8	21.5	5.8	28.7	26.3	6.6
Chronic Obstructive Pulmonary Disease	70	7.1	8.0	3.3	14.3	13.7	4.1	20.0	18.7	5.3
Transient Cerebral Ischemia	74	1.4	1.6	1.6	2.7	3.5	3.5	6.8	5.7	4.6
Stroke	107	19.6	18.7	7.2	29.0	24.8	7.5	30.8	29.2	5.8
Hip Fracture	57	15.8	4.7	5.3	17.5	8.8	6.5	21.1	11.8	6.8
Sepsis	36	25.0	27.4	*	36.1	36.7	*	44.4	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	3.8	*	4.0	7.3	*	4.0	10.5	*
Carotid Endarterectomy	16	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	28	14.3	2.6	*	14.3	5.1	*	14.3	7.0	*
Open Reduction of Hip Fracture	31	9.7	4.2	*	9.7	8.4	*	12.9	11.6	*
Prostatectomy	91	2.2	1.2	1.9	5.5	3.0	3.1	6.6	5.0	3.4
Cholecystectomy	52	1.9	2.9	2.6	7.7	5.4	3.9	7.7	7.3	3.7
Hysterectomy	7	0.0	1.2	*	0.0	2.6	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	285
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORTH ARUNDEL HOSPITAL

Medicare Provider Number: 210043

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,968	8.1	8.9	0.6	13.7	13.7	0.6	17.1	17.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	81	24.7	24.9	4.8	30.9	27.8	5.2	32.1	31.1	6.0
Congestive Heart Failure	181	11.0	14.7	4.6	19.9	22.9	4.2	27.1	29.8	4.4
Pneumonia/Influenza	125	14.4	14.8	3.2	21.6	20.5	3.9	25.6	25.0	3.9
Chronic Obstructive Pulmonary Disease	68	10.3	8.8	5.1	16.2	14.9	7.4	22.1	20.1	5.7
Transient Cerebral Ischemia	84	0.0	1.4	2.0	2.4	3.1	3.0	7.1	4.9	4.0
Stroke	128	17.2	17.3	4.6	25.8	23.8	6.1	32.0	28.2	6.9
Hip Fracture	51	5.9	4.3	3.1	11.8	8.5	5.4	17.6	11.5	7.6
Sepsis	38	23.7	28.6	*	34.2	36.4	*	36.8	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	25.0	6.3	*	25.0	9.2	*	25.0	12.0	*
Carotid Endarterectomy	18	0.0	1.7	*	0.0	3.4	*	5.6	5.0	*
Hip Replacement/Reconstruction	33	0.0	3.1	*	6.1	6.6	*	12.1	9.7	*
Open Reduction of Hip Fracture	23	4.3	4.3	*	8.7	8.8	*	21.7	12.2	*
Prostatectomy	74	0.0	1.4	1.8	2.7	3.1	2.1	5.4	5.0	2.6
Cholecystectomy	47	2.1	3.8	*	8.5	7.3	*	14.9	9.8	*
Hysterectomy	5	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,877	9.1	9.6	0.7	14.2	14.6	0.8	17.8	18.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	89	24.7	27.7	7.3	25.8	30.5	8.0	29.2	33.7	8.7
Congestive Heart Failure	153	15.0	18.0	3.6	29.4	26.9	4.0	38.6	34.2	4.6
Pneumonia/Influenza	106	17.9	20.2	5.7	26.4	27.0	5.7	28.3	32.4	7.6
Chronic Obstructive Pulmonary Disease	91	11.0	11.9	5.5	14.3	19.8	7.2	19.8	25.9	9.5
Transient Cerebral Ischemia	83	1.2	1.6	1.9	4.8	3.4	3.4	9.6	5.4	5.0
Stroke	93	18.3	19.5	5.7	22.6	26.2	6.7	25.8	30.6	8.2
Hip Fracture	42	9.5	6.9	*	14.3	12.4	*	21.4	15.9	*
Sepsis	34	20.6	27.0	*	29.4	35.9	*	32.4	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	11.1	5.2	*	14.8	9.3	*	14.8	12.6	*
Carotid Endarterectomy	11	0.0	1.6	*	0.0	3.2	*	9.1	4.7	*
Hip Replacement/Reconstruction	23	8.7	4.0	*	17.4	7.6	*	17.4	10.2	*
Open Reduction of Hip Fracture	21	4.8	5.8	*	4.8	10.7	*	14.3	14.0	*
Prostatectomy	47	0.0	1.1	*	0.0	2.6	*	0.0	4.4	*
Cholecystectomy	42	4.8	3.3	*	9.5	6.0	*	11.9	8.0	*
Hysterectomy	12	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PARKWOOD HOSPITAL

8910 Woodyard Road
Clinton, MD 20735

Medicare Provider Number: 210047

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	5	20.0	10.5	*	20.0	16.0	*	20.0	20.4	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	1	0.0	13.6	*	0.0	18.6	*	0.0	23.0	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	1.0	*	0.0	2.2	*	0.0	3.5	*
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds	33
Ownership/Control	Private, For Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	8
Licensed Practical Nurses	2

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

** Not used in calculating hospital mortality rates.

PARKWOOD HOSPITAL

Medicare Provider Number: 210047

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	17	11.8	18.8	*	23.5	28.9	*	35.3	35.3	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	2	50.0	14.2	*	50.0	19.1	*	50.0	23.1	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	2	0.0	42.6	*	0.0	48.3	*	0.0	54.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	37	8.1	11.3	*	16.2	19.7	*	18.9	26.4	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	33.3	26.2	*	66.7	38.9	*	66.7	47.0	*
Pneumonia/Influenza	1	0.0	24.9	*	0.0	37.3	*	0.0	46.8	*
Chronic Obstructive Pulmonary Disease	2	50.0	8.4	*	50.0	13.4	*	50.0	17.4	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PENINSULA GENERAL HOSPITAL

100 E Carroll Ave
Salisbury, MD 21801

Medicare Provider Number: 210019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,481	9.1	8.7	0.5	14.4	13.7	0.8	18.0	17.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	201	23.9	22.4	3.8	28.9	26.0	3.7	30.3	29.6	3.3
Congestive Heart Failure	275	14.2	13.0	2.8	25.1	20.7	5.0	30.9	27.3	5.2
Pneumonia/Influenza	135	14.1	13.9	3.3	19.3	19.4	3.6	22.2	23.9	4.6
Chronic Obstructive Pulmonary Disease	95	8.4	7.0	4.7	17.9	12.4	7.4	23.2	17.2	8.7
Transient Cerebral Ischemia	90	1.1	1.8	1.7	2.2	4.0	2.6	4.4	6.3	3.3
Stroke	188	16.5	16.4	3.6	24.5	22.8	3.6	28.2	27.0	3.7
Hip Fracture	109	8.3	4.8	3.6	12.8	9.3	6.1	18.3	12.7	6.7
Sepsis	37	16.2	19.6	*	21.6	27.0	*	24.3	32.6	*
PROCEDURES:										
Angioplasty	96	3.1	3.5	2.0	3.1	4.9	2.7	4.2	6.5	3.2
Coronary Artery Bypass Graft	97	4.1	7.5	3.9	8.2	10.8	4.8	8.2	12.9	4.6
Initial Pacemaker Insertion	6	0.0	1.6	*	0.0	3.3	*	0.0	5.2	*
Carotid Endarterectomy	61	0.0	1.9	*	0.0	3.7	*	0.0	5.5	*
Hip Replacement/Reconstruction	52	5.8	2.7	3.6	7.7	5.4	5.4	11.5	7.8	5.1
Open Reduction of Hip Fracture	75	5.3	4.3	2.5	12.0	8.6	4.3	16.0	11.8	5.5
Prostatectomy	89	0.0	1.5	2.6	2.2	3.5	3.3	6.7	5.7	3.0
Cholecystectomy	85	2.4	3.3	3.0	3.5	5.9	4.0	4.7	7.7	4.3
Hysterectomy	24	0.0	1.6	*	0.0	3.3	*	0.0	4.6	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	360
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	155
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	357
Licensed Practical Nurses	93

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

** **Not used in calculating hospital mortality rates.**

PENINSULA GENERAL HOSPITAL

Medicare Provider Number: 210019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,550	8.7	8.7	0.5	13.9	13.7	0.6	17.5	17.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	134	18.7	23.2	5.0	25.4	26.6	4.2	29.1	30.0	4.3
Congestive Heart Failure	303	17.2	14.4	3.4	26.4	22.5	3.5	34.0	29.2	4.1
Pneumonia/Influenza	124	16.9	14.6	3.4	19.4	20.3	3.7	22.6	24.8	4.1
Chronic Obstructive Pulmonary Disease	117	10.3	8.6	3.8	14.5	14.9	3.3	18.8	20.3	4.0
Transient Cerebral Ischemia	85	1.2	2.1	2.3	1.2	4.5	4.1	3.5	7.0	5.4
Stroke	175	20.0	18.5	3.3	28.6	25.6	3.8	37.1	30.4	5.1
Hip Fracture	100	2.0	5.0	2.9	9.0	9.4	3.7	12.0	12.5	4.0
Sepsis	33	33.3	22.3	*	39.4	30.8	*	51.5	37.1	*
PROCEDURES:										
Angioplasty	62	0.0	4.5	5.2	1.6	5.9	5.1	3.2	7.4	5.2
Coronary Artery Bypass Graft	76	6.6	9.3	4.3	13.2	13.2	5.5	13.2	15.6	5.9
Initial Pacemaker Insertion	21	9.5	7.2	*	14.3	10.3	*	23.8	13.0	*
Carotid Endarterectomy	67	1.5	1.9	2.5	1.5	3.7	3.3	4.5	5.4	3.5
Hip Replacement/Reconstruction	43	0.0	3.1	*	7.0	6.2	*	7.0	8.4	*
Open Reduction of Hip Fracture	61	1.6	4.1	3.8	8.2	8.1	3.8	11.5	11.0	6.6
Prostatectomy	110	0.0	1.8	2.0	2.7	4.3	3.5	3.6	6.8	4.9
Cholecystectomy	114	3.5	2.9	1.9	3.5	5.2	2.6	3.5	6.8	3.4
Hysterectomy	25	0.0	0.8	*	0.0	1.7	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,247	9.5	9.5	0.5	14.9	14.7	0.6	18.3	18.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	142	21.8	26.7	5.8	27.5	30.2	4.8	31.0	33.7	4.6
Congestive Heart Failure	265	17.4	15.5	3.4	27.2	23.8	3.8	30.9	30.7	2.9
Pneumonia/Influenza	101	15.8	17.1	4.5	26.7	23.2	5.8	28.7	28.0	4.7
Chronic Obstructive Pulmonary Disease	101	14.9	11.7	5.8	19.8	18.7	7.0	20.8	24.2	7.3
Transient Cerebral Ischemia	81	0.0	1.9	2.1	2.5	3.6	3.0	4.9	5.4	3.6
Stroke	145	17.2	18.6	5.2	20.7	25.2	5.3	28.3	29.6	4.1
Hip Fracture	103	4.9	6.1	2.6	13.6	11.2	3.7	16.5	14.6	4.9
Sepsis	45	37.8	25.8	*	44.4	33.9	*	46.7	39.8	*
PROCEDURES:										
Angioplasty	40	2.5	4.4	*	2.5	6.0	*	2.5	7.5	*
Coronary Artery Bypass Graft	61	3.3	7.3	6.1	6.6	10.4	6.9	6.6	12.3	7.0
Initial Pacemaker Insertion	37	2.7	4.7	*	5.4	8.5	*	5.4	11.7	*
Carotid Endarterectomy	70	0.0	2.2	2.3	5.7	4.4	3.2	7.1	6.5	3.0
Hip Replacement/Reconstruction	53	1.9	3.5	3.2	3.8	6.8	4.3	7.5	9.1	4.1
Open Reduction of Hip Fracture	60	5.0	5.5	3.1	11.7	10.5	4.1	13.3	14.1	4.5
Prostatectomy	101	0.0	1.4	1.6	3.0	3.5	3.0	4.0	5.9	3.7
Cholecystectomy	85	2.4	3.1	2.0	4.7	5.6	2.6	8.2	7.2	3.3
Hysterectomy	22	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PHYSICIANS MEMORIAL HOSPITAL

701 E Charles Street
La Plata, MD 20646

Medicare Provider Number: 210035

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	903	11.5	8.5	1.5	16.8	13.3	1.7	19.9	17.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	26	19.2	17.0	*	23.1	20.0	*	23.1	23.3	*
Congestive Heart Failure	54	22.2	13.0	6.0	25.9	21.7	6.1	27.8	28.9	6.4
Pneumonia/Influenza	41	22.0	14.1	*	34.1	20.0	*	34.1	24.7	*
Chronic Obstructive Pulmonary Disease	41	7.3	8.6	*	19.5	15.0	*	29.3	20.4	*
Transient Cerebral Ischemia	20	5.0	1.6	*	10.0	3.5	*	10.0	5.6	*
Stroke	42	26.2	18.8	*	31.0	24.7	*	31.0	29.0	*
Hip Fracture	24	0.0	3.6	*	0.0	6.9	*	4.2	9.3	*
Sepsis	8	25.0	24.8	*	25.0	30.1	*	37.5	35.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	0.7	*	0.0	1.7	*	0.0	2.5	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	3.1	*	0.0	4.9	*
Hip Replacement/Reconstruction	13	0.0	2.3	*	0.0	4.7	*	7.7	6.7	*
Open Reduction of Hip Fracture	10	0.0	3.7	*	0.0	7.3	*	10.0	9.9	*
Prostatectomy	17	0.0	0.8	*	5.9	1.9	*	5.9	3.3	*
Cholecystectomy	25	0.0	1.8	*	8.0	3.0	*	8.0	3.9	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	104
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	50
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	76
Licensed Practical Nurses	3

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PHYSICIANS MEMORIAL HOSPITAL

Medicare Provider Number: 210035

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	914	10.6	8.8	1.4	15.2	13.9	1.7	19.5	17.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	28	21.4	23.9	*	35.7	26.6	*	39.3	29.7	*
Congestive Heart Failure	67	19.4	15.6	9.0	26.9	24.7	7.4	35.8	32.0	6.7
Pneumonia/Influenza	46	15.2	14.4	*	23.9	19.9	*	26.1	24.1	*
Chronic Obstructive Pulmonary Disease	34	23.5	11.2	*	32.4	18.9	*	41.2	24.7	*
Transient Cerebral Ischemia	22	4.5	1.9	*	9.1	4.3	*	9.1	6.8	*
Stroke	30	13.3	15.6	*	23.3	21.6	*	33.3	25.7	*
Hip Fracture	27	3.7	4.2	*	7.4	7.9	*	7.4	10.5	*
Sepsis	7	71.4	25.8	*	71.4	39.1	*	85.7	47.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	2.6	*	10.0	4.8	*	10.0	7.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	0.0	1.8	*	0.0	3.6	*	0.0	4.9	*
Open Reduction of Hip Fracture	16	6.3	3.9	*	12.5	7.6	*	12.5	10.3	*
Prostatectomy	15	0.0	1.4	*	0.0	3.4	*	0.0	5.4	*
Cholecystectomy	15	0.0	2.4	*	13.3	4.3	*	13.3	5.4	*
Hysterectomy	4	0.0	0.7	*	0.0	1.5	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	857	9.0	10.1	1.2	15.5	15.3	1.3	19.8	19.4	1.4
CONDITIONS:										
Acute Myocardial Infarction	41	22.0	23.7	*	24.4	27.3	*	24.4	30.6	*
Congestive Heart Failure	54	18.5	16.7	5.4	29.6	25.7	6.6	40.7	33.0	8.9
Pneumonia/Influenza	37	10.8	15.4	*	21.6	21.8	*	29.7	26.7	*
Chronic Obstructive Pulmonary Disease	31	16.1	11.3	*	22.6	19.4	*	29.0	25.4	*
Transient Cerebral Ischemia	26	0.0	2.3	*	0.0	4.9	*	0.0	7.8	*
Stroke	33	9.1	25.7	*	18.2	33.2	*	21.2	38.4	*
Hip Fracture	10	10.0	7.4	*	20.0	12.6	*	20.0	16.1	*
Sepsis	9	55.6	29.4	*	66.7	40.6	*	66.7	47.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.9	*	0.0	4.7	*	0.0	8.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	2.7	*	0.0	5.3	*	0.0	7.2	*
Open Reduction of Hip Fracture	2	0.0	5.1	*	0.0	10.2	*	0.0	13.9	*
Prostatectomy	7	0.0	1.0	*	0.0	2.4	*	0.0	4.1	*
Cholecystectomy	17	5.9	4.0	*	11.8	7.3	*	11.8	9.5	*
Hysterectomy	7	28.6	0.6	*	28.6	1.1	*	28.6	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PRINCE GEORGES GENERAL HOSPITAL

1 Hospital Dr
Cheverly, MD 20785

Medicare Provider Number: 210003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,682	10.5	8.8	1.1	16.6	13.7	1.6	19.8	17.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	37	21.6	23.3	*	24.3	26.1	*	29.7	29.3	*
Congestive Heart Failure	109	14.7	11.8	3.8	22.0	19.1	5.6	26.6	25.4	4.3
Pneumonia/Influenza	60	15.0	15.7	6.1	20.0	21.6	8.9	21.7	26.2	9.3
Chronic Obstructive Pulmonary Disease	19	0.0	8.9	*	10.5	16.9	*	10.5	23.8	*
Transient Cerebral Ischemia	31	0.0	1.8	*	0.0	3.9	*	3.2	6.2	*
Stroke	68	17.6	18.0	5.0	29.4	24.1	6.5	32.4	28.3	7.2
Hip Fracture	27	3.7	4.9	*	11.1	9.2	*	14.8	12.2	*
Sepsis	37	32.4	19.5	*	43.2	26.3	*	45.9	32.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.0	*	0.0	6.4	*	0.0	9.9	*
Carotid Endarterectomy	20	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	17	0.0	2.6	*	0.0	5.1	*	0.0	6.9	*
Open Reduction of Hip Fracture	10	0.0	5.2	*	0.0	10.1	*	10.0	13.5	*
Prostatectomy	38	5.3	1.7	*	7.9	4.2	*	7.9	7.0	*
Cholecystectomy	25	12.0	4.1	*	16.0	8.1	*	24.0	11.0	*
Hysterectomy	13	0.0	1.7	*	7.7	3.2	*	7.7	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	423
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	323
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	66
Registered Nurses	321
Licensed Practical Nurses	40

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

PRINCE GEORGES GENERAL HOSPITAL

Medicare Provider Number: 210003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,631	9.8	8.8	0.8	16.9	13.8	1.4	20.7	17.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	29	24.1	24.9	*	31.0	27.5	*	34.5	30.3	*
Congestive Heart Failure	100	17.0	13.4	4.4	25.0	21.3	6.1	34.0	27.9	8.7
Pneumonia/Influenza	59	27.1	15.9	6.2	35.6	22.1	6.9	39.0	26.8	7.6
Chronic Obstructive Pulmonary Disease	31	12.9	8.2	*	16.1	13.8	*	19.4	18.8	*
Transient Cerebral Ischemia	38	0.0	1.8	*	2.6	3.7	*	5.3	5.7	*
Stroke	51	19.6	19.0	6.0	31.4	25.7	9.8	39.2	30.2	10.6
Hip Fracture	32	6.3	4.8	*	15.6	9.0	*	18.8	11.9	*
Sepsis	40	17.5	23.2	*	35.0	32.0	*	42.5	38.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	9.6	*	0.0	16.0	*	0.0	18.3	*
Carotid Endarterectomy	14	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	19	0.0	3.2	*	5.3	6.2	*	5.3	8.3	*
Open Reduction of Hip Fracture	9	0.0	4.3	*	11.1	8.1	*	11.1	10.8	*
Prostatectomy	37	0.0	1.3	*	0.0	3.0	*	0.0	4.9	*
Cholecystectomy	23	0.0	2.4	*	8.7	4.7	*	8.7	6.6	*
Hysterectomy	7	0.0	0.5	*	14.3	0.9	*	14.3	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,731	10.1	9.4	0.8	16.3	14.5	1.1	20.9	18.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	31	25.8	30.3	*	32.3	33.9	*	38.7	37.4	*
Congestive Heart Failure	93	12.9	14.6	3.9	28.0	22.2	4.9	35.5	28.5	5.6
Pneumonia/Influenza	64	15.6	17.7	5.9	20.3	24.2	6.3	28.1	29.1	6.9
Chronic Obstructive Pulmonary Disease	29	6.9	12.3	*	13.8	18.9	*	24.1	24.1	*
Transient Cerebral Ischemia	37	5.4	1.5	*	13.5	3.1	*	16.2	4.8	*
Stroke	77	27.3	20.1	6.7	36.4	26.7	6.1	42.9	31.0	6.9
Hip Fracture	31	3.2	8.1	*	12.9	14.4	*	19.4	18.6	*
Sepsis	26	30.8	24.1	*	42.3	33.3	*	42.3	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.1	*	16.7	6.0	*	16.7	8.9	*
Carotid Endarterectomy	18	0.0	2.1	*	0.0	4.5	*	0.0	6.9	*
Hip Replacement/Reconstruction	13	7.7	5.3	*	15.4	10.5	*	30.8	14.3	*
Open Reduction of Hip Fracture	13	0.0	6.4	*	7.7	12.1	*	7.7	16.1	*
Prostatectomy	44	0.0	1.6	*	2.3	3.9	*	4.5	6.6	*
Cholecystectomy	32	3.1	2.3	*	3.1	4.2	*	6.3	5.7	*
Hysterectomy	9	0.0	1.2	*	0.0	2.5	*	11.1	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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#210003

PRINCE GEORGE'S HOSPITAL CENTER

3001 Hospital Drive Cheverly, Maryland 20785 (301) 618-2000

Tuesday, January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have evaluated the F.Y. 1989, Mortality Rates and wish to submit the following documentation for publication:

As noted in the section of the report, "Hospital Characteristics", we have a Level I Trauma designation. Approximately 2.6% of the mortalities indentified with an actual "date of death" were trauma related.

The hospital also has an acute hemodialysis unit. Six percent of these same mortalities identified with an actual "date of death" had associated renal disease. This category can be broken down further using the diagnostic categories identified in the study.

1.	C-2	Congestive Heart Failure	4.2%
2.	C-4	Chronic Obstructive Pulmonary Disease	5.8%
3.	C-6	Stroke	5.0%
4.	C-7	Hip Fracture	4.5%
5.	C-8	Sepsis	3.5%

Procedure Categories

1.	P-8	Cholecystectomy	5.0%

If you have any questions concerning this information, please feel free to contact me or the Director of Quality Assurance/Utilization Review, Mr. Demetrius J. Anserson.

Sincerely yours,

Phyllis Wingate-Jones

Phyllis Wingate-Jones
Chief Operating Officer

SACRED HEART HOSPITAL

900 Seton Drive
Cumberland, MD 21502

Medicare Provider Number: 210027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,536	8.7	8.5	0.7	13.1	13.3	1.0	16.0	17.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	82	28.0	28.2	5.0	34.1	31.8	5.8	35.4	35.7	5.5
Congestive Heart Failure	136	21.3	14.7	4.8	33.8	23.1	6.5	39.7	30.2	6.6
Pneumonia/Influenza	108	13.9	16.0	5.9	22.2	22.3	6.3	25.0	27.4	5.4
Chronic Obstructive Pulmonary Disease	23	13.0	5.5	*	21.7	10.6	*	21.7	15.3	*
Transient Cerebral Ischemia	20	0.0	1.3	*	0.0	2.9	*	0.0	4.6	*
Stroke	102	17.6	19.2	4.0	22.5	26.1	4.9	28.4	31.0	4.9
Hip Fracture	42	7.1	5.2	*	9.5	9.6	*	9.5	12.6	*
Sepsis	15	20.0	25.1	*	33.3	32.7	*	33.3	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	0.0	3.7	*	6.9	6.8	*	6.9	9.8	*
Carotid Endarterectomy	5	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	49	2.0	2.4	*	4.1	4.5	*	4.1	6.1	*
Open Reduction of Hip Fracture	20	10.0	5.2	*	15.0	10.0	*	15.0	13.5	*
Prostatectomy	80	0.0	1.7	1.9	1.2	4.1	2.8	1.2	6.9	4.5
Cholecystectomy	51	0.0	3.1	3.7	0.0	5.4	5.6	2.0	7.1	5.3
Hysterectomy	17	0.0	1.0	*	0.0	2.1	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	240
Occupancy Rate	83
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	100
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	0
Registered Nurses	257
Licensed Practical Nurses	49

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SACRED HEART HOSPITAL

Medicare Provider Number: 210027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,430	6.7	8.5	0.8	11.3	13.1	0.9	15.0	16.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	79	27.8	26.3	5.2	32.9	29.3	6.2	36.7	32.6	7.6
Congestive Heart Failure	143	10.5	14.5	5.0	21.0	22.4	4.0	28.7	29.1	3.9
Pneumonia/Influenza	72	16.7	16.5	4.4	22.2	22.7	5.7	33.3	27.5	7.7
Chronic Obstructive Pulmonary Disease	12	16.7	7.1	*	50.0	14.3	*	50.0	20.9	*
Transient Cerebral Ischemia	25	0.0	2.1	*	0.0	4.7	*	4.0	7.4	*
Stroke	92	12.0	19.6	6.1	18.5	26.6	7.2	19.6	31.6	8.6
Hip Fracture	55	1.8	5.8	5.7	7.3	10.7	7.7	10.9	14.1	6.8
Sepsis	15	13.3	23.0	*	20.0	30.8	*	26.7	36.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	31	0.0	4.6	*	9.7	7.6	*	9.7	10.2	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	58	0.0	2.7	3.1	5.2	5.2	3.2	6.9	6.9	3.3
Open Reduction of Hip Fracture	27	0.0	5.5	*	0.0	10.7	*	3.7	14.4	*
Prostatectomy	87	0.0	1.7	1.9	1.1	3.5	3.0	2.3	5.4	4.2
Cholecystectomy	39	2.6	3.4	*	5.1	6.5	*	5.1	8.6	*
Hysterectomy	10	0.0	2.3	*	10.0	4.9	*	10.0	7.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,200	7.6	8.8	0.9	12.5	13.6	1.1	16.0	17.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	75	20.0	24.3	5.6	25.3	27.4	5.3	32.0	30.7	5.4
Congestive Heart Failure	147	18.4	16.3	3.4	29.3	24.7	5.3	34.7	31.7	5.7
Pneumonia/Influenza	73	15.1	19.2	8.4	21.9	25.9	7.2	26.0	31.3	7.7
Chronic Obstructive Pulmonary Disease	32	3.1	9.0	*	15.6	16.8	*	21.9	23.5	*
Transient Cerebral Ischemia	22	0.0	1.9	*	9.1	3.8	*	9.1	6.0	*
Stroke	65	10.8	20.3	7.7	18.5	26.9	8.9	20.0	31.4	10.2
Hip Fracture	56	3.6	7.5	6.3	8.9	13.1	8.1	12.5	16.6	7.4
Sepsis	11	27.3	41.5	*	27.3	48.5	*	36.4	54.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	2.8	*	9.5	6.0	*	9.5	9.2	*
Carotid Endarterectomy	10	0.0	1.9	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction	54	0.0	3.3	3.9	3.7	6.1	3.8	3.7	8.2	5.3
Open Reduction of Hip Fracture	30	3.3	7.4	*	10.0	13.4	*	16.7	17.1	*
Prostatectomy	72	1.4	1.3	1.6	1.4	3.2	2.7	2.8	5.3	4.1
Cholecystectomy	28	3.6	2.5	*	3.6	4.1	*	7.1	5.1	*
Hysterectomy	9	0.0	0.8	*	0.0	1.6	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SHADY GROVE ADVENTIST HOSPITAL

9901 Medical Ctr Dr
Rockville, MD 20850

Medicare Provider Number: 210057

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,650	10.1	9.4	0.8	15.4	14.1	1.0	19.8	17.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	43	30.2	29.4	*	32.6	32.7	*	32.6	36.1	*
Congestive Heart Failure	80	20.0	16.0	4.9	26.2	24.7	6.3	37.5	31.8	9.0
Pneumonia/Influenza	74	13.5	17.2	4.9	24.3	23.4	6.0	29.7	28.2	5.7
Chronic Obstructive Pulmonary Disease	20	5.0	7.9	*	15.0	12.4	*	20.0	16.3	*
Transient Cerebral Ischemia	15	0.0	2.8	*	13.3	6.4	*	20.0	10.1	*
Stroke	71	22.5	21.0	6.9	25.4	27.9	6.0	26.8	32.4	7.2
Hip Fracture	72	9.7	6.7	5.3	15.3	12.1	5.9	19.4	15.7	7.6
Sepsis	22	45.5	29.9	*	45.5	37.2	*	50.0	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	8.0	*	50.0	14.0	*	50.0	18.6	*
Carotid Endarterectomy	3	0.0	1.2	*	33.3	2.5	*	33.3	3.9	*
Hip Replacement/Reconstruction	29	3.4	2.4	*	6.9	4.5	*	10.3	6.2	*
Open Reduction of Hip Fracture	33	9.1	6.1	*	15.2	11.4	*	18.2	15.0	*
Prostatectomy	58	0.0	0.5	*	0.0	1.3	*	0.0	2.2	*
Cholecystectomy	26	0.0	2.8	*	3.8	5.6	*	7.7	7.7	*
Hysterectomy	13	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	233
Occupancy Rate	80
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	287
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	448
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SHADY GROVE ADVENTIST HOSPITAL

Medicare Provider Number: 210057

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,639	9.7	9.9	0.8	15.4	14.7	1.1	19.3	18.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	55	34.5	28.7	7.5	40.0	32.0	9.3	40.0	35.7	7.4
Congestive Heart Failure	92	15.2	16.5	4.8	30.4	25.4	7.5	37.0	32.6	8.1
Pneumonia/Influenza	77	13.0	17.2	7.6	22.1	23.1	6.4	23.4	27.8	6.3
Chronic Obstructive Pulmonary Disease	17	5.9	8.3	*	5.9	14.1	*	11.8	19.3	*
Transient Cerebral Ischemia	12	0.0	2.2	*	0.0	4.7	*	8.3	7.3	*
Stroke	67	19.4	20.6	5.3	23.9	27.3	6.0	23.9	32.2	9.0
Hip Fracture	71	2.8	6.9	4.5	5.6	12.6	6.4	11.3	16.3	6.0
Sepsis	14	35.7	28.5	*	35.7	35.0	*	50.0	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	24.9	*	0.0	28.8	*	0.0	32.6	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	40	0.0	3.0	*	0.0	6.0	*	2.5	8.1	*
Open Reduction of Hip Fracture	31	3.2	6.5	*	3.2	12.5	*	12.9	16.6	*
Prostatectomy	61	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	21	0.0	3.6	*	4.8	6.7	*	9.5	9.1	*
Hysterectomy	14	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,493	10.9	10.6	0.8	16.8	15.6	1.4	20.6	19.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	47	31.9	28.1	*	38.3	31.8	*	38.3	35.4	*
Congestive Heart Failure	74	14.9	16.6	6.0	31.1	25.2	8.5	36.5	32.2	8.3
Pneumonia/Influenza	49	24.5	18.8	*	32.7	25.6	*	36.7	30.9	*
Chronic Obstructive Pulmonary Disease	18	16.7	9.5	*	22.2	16.8	*	38.9	22.8	*
Transient Cerebral Ischemia	20	0.0	1.9	*	0.0	4.2	*	0.0	6.8	*
Stroke	68	25.0	21.9	9.3	38.2	28.7	11.1	41.2	33.5	11.5
Hip Fracture	66	4.5	6.4	3.5	10.6	11.6	4.2	12.1	15.0	6.2
Sepsis	14	50.0	34.2	*	57.1	42.1	*	57.1	48.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	3.7	*	7.1	7.1	*	7.1	10.0	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.1	*	0.0	2.9	*
Hip Replacement/Reconstruction	40	2.5	3.0	*	2.5	5.8	*	2.5	8.0	*
Open Reduction of Hip Fracture	20	5.0	6.3	*	10.0	12.1	*	10.0	15.9	*
Prostatectomy	65	1.5	1.2	1.4	4.6	2.8	2.5	6.2	4.4	3.4
Cholecystectomy	27	0.0	3.1	*	0.0	5.6	*	0.0	7.2	*
Hysterectomy	7	0.0	1.2	*	14.3	2.6	*	14.3	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

123.1

Adventist
Hospital Medicare Provider #210057

January 8, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Comments on HCFA Hospital Morality Data
for Shady Grove Adventist Hospital

Shady Grove Adventist Hospital maintains a strong commitment to the quality of care provided to all patients it serves. Our commitment is carried out through planned, systematic, and continuous monitoring and evaluation of the care rendered by all healthcare providers at Shady Grove. This ongoing assessment helps to assure that the quality of care is of a high level and that opportunities for improvement are identified and pursued.

Mortality data for Shady Grove Adventist Hospital is one of many components closely scrutinized in the overall picture of care provided at this hospital. All deaths that occur at this facility are regarded with seriousness and result in further investigation by our Medical Staff. The hospital's participation in the Maryland Hospital Association's Quality Indicator Project, which includes the collection of mortality data, also indicates our ongoing evaluation of the hospital's performance.

The recent publication of the Health Care Financing Administration's mortality data for Shady Grove Adventist Hospital was carefully reviewed as part of the hospital's continuous efforts to seek opportunities for improvement. What was consistently evident in direct screening of a 30% sample of patient records, was that there were several characteristics of these patients that carried with them the strong potential for contributing to the patient's death. Of the sample reviewed, the following findings were observed:

AGE

75% of the mortalities were in patients over the age of 80
55% of the mortalities were in patients over the age of 85
31% of the mortalities were in patients over the age of 90

9901 Medical Center Drive
Rockville, Maryland 20850
301/279-6000

CONDITION ON ADMISSION

56% of the mortalities were in patients who were being cared for in Nursing Care facilities prior to their admission, indicating pre-existing problems in state of health.

19% of the mortalities were in patients who were comatose on admission.

92% of the mortalities were in patients who had on admission conditions (often multiple) other than the illness which resulted in the admission. These included Cardiomyopathy, Congestive Heart Failure, Arteriosclerotic Cardiovascular Disease, Diabetes, History of Myocardial Infarction and Stroke, Coronary Artery Disease, Renal Failure, Alzheimers, Aortic Stenosis, Cancer, Chronic Obstructive Pulmonary Disease, and others.

POTENTIAL FOR IMPROVED PROGNOSIS

47% of the mortalities that occurred during hospitalization and after discharge from the hospital were in patients who by agreement of family, physician, and patient (when capable) were not to have aggressive treatment or resuscitative measures taken.

70% of the mortalities that occurred during hospitalization (not after the patient was discharged) were in patients who by agreement of family, physician, and patient (when capable) were not to have aggressive treatment or resuscitative measures taken.

ADDITIONAL FACTORS

The HCFA mortality data includes not only deaths that occurred during hospitalization, but also deaths that occurred within 30, 90, and 180 days after admission. Of the sample reviewed, 68% of the patients died after discharge from the hospital, 31% of these died more than 90 days after admission, 17% died more than 180 days (6 months) after admission. Contributing factors to mortalities that occur after discharge from the hospital setting could be varied.

The above factors and characteristics most certainly contributed to the differences between observed and predicted mortality rates presented by HCFA. Although an attempt was made by HCFA to adjust somewhat for these areas, the rates clearly do not reflect all contributing factors. Lastly, the rates, in no way, measure quality of care.

This report will be presented to the Quality Assurance Committee of Shady Grove Adventist Hospital. While the review of the HCFA mortality data for this hospital indicated that the care given was appropriate and of high quality, the goal remains to constantly strive to improve our level of care. We will continue our internal monitoring and evaluation systems for all mortalities (not just outlier data), and other key aspects of care for the maximum benefit to our patients.

SINAI HOSPITAL

2401 West Belvedere Ave
Baltimore, MD 21215

Medicare Provider Number: 210012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,263	9.0	8.5	0.6	14.5	13.2	0.9	17.8	17.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	143	25.9	22.6	4.3	30.8	26.1	5.3	35.0	29.6	6.9
Congestive Heart Failure	146	11.6	13.9	4.9	17.8	22.2	5.7	28.1	29.2	4.4
Pneumonia/Influenza	83	22.9	13.9	6.3	28.9	19.2	6.2	30.1	23.5	6.4
Chronic Obstructive Pulmonary Disease	33	12.1	6.0	*	18.2	10.9	*	24.2	15.3	*
Transient Cerebral Ischemia	44	2.3	1.5	*	2.3	3.3	*	2.3	5.3	*
Stroke	117	12.8	19.1	5.9	17.1	25.5	5.7	23.9	29.9	5.5
Hip Fracture	67	9.0	4.5	5.0	14.9	8.7	6.0	17.9	11.9	6.9
Sepsis	33	27.3	26.1	*	39.4	34.7	*	48.5	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	4.4	*	14.3	8.4	*	14.3	12.1	*
Carotid Endarterectomy	2	0.0	1.9	*	0.0	3.6	*	0.0	5.1	*
Hip Replacement/Reconstruction	18	5.6	3.1	*	5.6	6.6	*	11.1	9.6	*
Open Reduction of Hip Fracture	27	3.7	4.0	*	11.1	8.0	*	14.8	11.2	*
Prostatectomy	95	0.0	0.8	1.2	1.1	1.9	1.6	3.2	3.2	2.5
Cholecystectomy	47	4.3	2.3	*	6.4	4.3	*	6.4	5.7	*
Hysterectomy	34	2.9	1.0	*	2.9	2.0	*	2.9	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	451
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	610
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	110
Registered Nurses	445
Licensed Practical Nurses	54

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

SINAI HOSPITAL

Medicare Provider Number: 210012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,289	9.5	9.0	0.6	14.7	13.9	0.7	18.5	17.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	123	20.3	25.0	4.2	24.4	28.8	5.4	28.5	32.3	4.4
Congestive Heart Failure	121	16.5	15.0	3.6	24.8	23.4	4.1	32.2	30.3	4.5
Pneumonia/Influenza	70	27.1	14.0	6.9	35.7	19.4	7.3	40.0	23.7	7.6
Chronic Obstructive Pulmonary Disease	50	12.0	9.3	*	16.0	16.5	*	32.0	22.5	*
Transient Cerebral Ischemia	59	1.7	1.7	*	1.7	3.7	*	1.7	5.8	*
Stroke	115	24.3	19.6	6.1	33.9	26.6	8.4	37.4	31.2	7.9
Hip Fracture	77	5.2	5.4	3.5	7.8	10.4	4.1	14.3	13.9	4.9
Sepsis	45	48.9	27.1	*	60.0	34.6	*	62.2	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	5.7	*	0.0	9.3	*	0.0	12.8	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	20	0.0	2.8	*	0.0	5.9	*	0.0	8.3	*
Open Reduction of Hip Fracture	38	5.3	4.6	*	5.3	9.3	*	10.5	12.8	*
Prostatectomy	115	2.6	1.3	1.7	3.5	3.2	3.2	7.0	5.2	3.8
Cholecystectomy	40	0.0	3.2	*	7.5	6.1	*	7.5	8.2	*
Hysterectomy	14	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,279	8.8	10.0	0.7	13.6	15.0	0.8	17.6	18.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	145	23.4	29.2	4.7	27.6	32.9	4.5	31.0	36.5	4.7
Congestive Heart Failure	149	16.1	18.7	4.0	25.5	27.7	4.1	32.9	34.7	4.4
Pneumonia/Influenza	70	24.3	18.1	7.6	28.6	24.3	6.6	30.0	29.2	5.8
Chronic Obstructive Pulmonary Disease	51	7.8	13.1	5.8	27.5	21.8	7.8	29.4	28.2	7.0
Transient Cerebral Ischemia	37	0.0	2.2	*	0.0	4.5	*	5.4	7.1	*
Stroke	128	20.3	22.8	6.0	27.3	30.2	5.8	32.8	35.0	5.3
Hip Fracture	62	3.2	6.2	4.2	8.1	11.4	5.6	14.5	14.9	4.7
Sepsis	52	44.2	30.2	9.1	51.9	38.6	10.9	63.5	45.2	11.3
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	6.2	*	0.0	9.5	*	0.0	11.1	*
Initial Pacemaker Insertion	8	0.0	3.8	*	0.0	7.1	*	0.0	9.9	*
Carotid Endarterectomy	3	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	13	0.0	6.0	*	15.4	11.6	*	23.1	15.3	*
Open Reduction of Hip Fracture	25	4.0	5.6	*	8.0	10.7	*	8.0	14.0	*
Prostatectomy	111	0.9	1.2	1.1	1.8	2.8	1.8	3.6	4.7	2.2
Cholecystectomy	52	0.0	2.5	*	0.0	4.2	*	0.0	5.3	*
Hysterectomy	30	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTHERN MARYLAND HOSPITAL

7503 Surratts Rd
Clinton, MD 20735

Medicare Provider Number: 210054

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,991	11.0	10.0	0.8	17.1	15.4	1.2	21.5	19.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	51	37.3	25.9	10.3	43.1	29.1	9.4	43.1	32.7	8.6
Congestive Heart Failure	98	10.2	13.4	5.2	16.3	21.1	5.4	23.5	27.7	5.4
Pneumonia/Influenza	72	23.6	19.1	4.9	29.2	26.2	5.5	38.9	31.6	6.1
Chronic Obstructive Pulmonary Disease	39	17.9	10.4	*	30.8	18.0	*	33.3	24.4	*
Transient Cerebral Ischemia	55	3.6	1.7	2.8	7.3	3.9	3.9	7.3	6.2	4.0
Stroke	98	30.6	18.5	5.9	37.8	24.6	6.4	39.8	29.0	5.9
Hip Fracture	45	4.4	6.1	*	13.3	11.3	*	20.0	14.9	*
Sepsis	43	25.6	26.5	*	39.5	34.9	*	51.2	41.4	*
PROCEDURES:										
Angioplasty	1	0.0	4.5	*	0.0	6.9	*	0.0	8.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	5.2	*	8.3	10.2	*	16.7	14.5	*
Carotid Endarterectomy	8	0.0	1.3	*	0.0	2.4	*	0.0	3.7	*
Hip Replacement/Reconstruction	21	4.8	4.3	*	9.5	8.3	*	14.3	11.2	*
Open Reduction of Hip Fracture	22	0.0	4.8	*	9.1	9.1	*	18.2	12.0	*
Prostatectomy	34	0.0	1.9	*	2.9	4.6	*	2.9	7.5	*
Cholecystectomy	33	3.0	3.0	*	9.1	5.0	*	9.1	6.1	*
Hysterectomy	13	0.0	1.7	*	0.0	3.7	*	0.0	5.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	308
Occupancy Rate	75
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

SOUTHERN MARYLAND HOSPITAL

Medicare Provider Number: 210054

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,102	11.7	9.2	0.7	18.1	14.6	0.9	22.0	18.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	48	39.6	23.4	*	43.8	26.9	*	45.8	30.1	*
Congestive Heart Failure	110	19.1	13.8	5.5	29.1	21.4	5.6	30.0	27.7	4.9
Pneumonia/Influenza	94	29.8	17.7	6.1	38.3	24.3	6.8	40.4	29.4	6.3
Chronic Obstructive Pulmonary Disease	37	13.5	9.8	*	21.6	16.8	*	21.6	22.4	*
Transient Cerebral Ischemia	55	3.6	2.0	2.5	5.5	4.2	3.0	5.5	6.5	3.6
Stroke	94	26.6	18.8	6.0	33.0	25.1	6.4	36.2	29.6	6.1
Hip Fracture	46	6.5	5.3	*	15.2	10.0	*	17.4	13.3	*
Sepsis	29	20.7	26.1	*	37.9	34.0	*	41.4	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	16.7	2.9	*	25.0	5.6	*	25.0	8.2	*
Carotid Endarterectomy	11	9.1	1.5	*	9.1	2.9	*	18.2	4.3	*
Hip Replacement/Reconstruction	30	3.3	2.9	*	3.3	5.8	*	3.3	7.8	*
Open Reduction of Hip Fracture	13	0.0	5.1	*	15.4	10.0	*	23.1	13.4	*
Prostatectomy	58	1.7	1.5	1.9	3.4	3.8	2.6	5.2	6.3	3.3
Cholecystectomy	39	2.6	3.2	*	7.7	5.9	*	7.7	7.7	*
Hysterectomy	11	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,155	11.5	9.0	1.0	17.5	14.4	1.2	22.1	18.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	52	30.8	27.2	6.7	38.5	30.3	8.0	42.3	33.6	7.9
Congestive Heart Failure	119	22.7	17.1	6.0	31.9	26.3	5.6	37.8	33.8	5.3
Pneumonia/Influenza	95	20.0	17.3	4.5	27.4	23.4	5.9	33.7	28.3	6.8
Chronic Obstructive Pulmonary Disease	57	3.5	11.5	8.3	15.8	19.9	8.8	22.8	26.2	7.4
Transient Cerebral Ischemia	68	1.5	2.4	5.1	8.8	4.9	5.4	11.8	7.3	6.9
Stroke	68	20.6	22.5	5.4	33.8	29.2	6.7	38.2	33.7	8.9
Hip Fracture	43	16.3	6.5	*	25.6	11.8	*	25.6	15.5	*
Sepsis	11	54.5	41.0	*	63.6	50.8	*	63.6	57.4	*
PROCEDURES:										
Angioplasty	1	0.0	3.2	*	0.0	4.4	*	0.0	5.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	5.0	*	20.0	11.4	*	30.0	17.4	*
Carotid Endarterectomy	11	0.0	1.7	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	35	8.6	4.1	*	14.3	7.6	*	14.3	10.1	*
Open Reduction of Hip Fracture	16	6.3	6.1	*	18.8	11.7	*	18.8	15.5	*
Prostatectomy	58	0.0	1.5	2.1	1.7	3.9	3.2	6.9	6.5	3.3
Cholecystectomy	38	0.0	3.1	*	2.6	5.4	*	7.9	6.8	*
Hysterectomy	11	0.0	1.5	*	0.0	3.1	*	0.0	4.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

127.1

SOUTHERN MARYLAND HOSPITAL CENTER

7503 SURRATTS ROAD • CLINTON, MARYLAND 20735 • (301) 868-8000

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attn: Mrs. Sandra Kappert

RE: Medicare Provider #21-0054

Dear Mrs. Kappert:

The following is an analysis of the deaths of Medicare recipients at Southern Maryland Hospital center during 1989 as supplied by Health Care Financing Administration (HCFA) in the letter of December 6, 1990. The Hospital views each death as significant -- not just the ones lying outside the predicted death range: each one has been thoroughly evaluated by the Quality Assurance peer review committee.

The Hospital analyzed it's HCFA mortality rates in each diagnostic category that had sufficient cases to allow statistical evaluation.

	Over (Under) Standard Deviations from Predicted		
	0 - 30	0 - 90	0 - 180
Acute Myocardial Infarction (C1)	1.107	1.489	1.209
Congestive Heart Failure (C2)	(0.615)	(0.889)	(0.778)
Pneumonia/Influenza (C3)	0.918	0.545	1.197
Transient Cerebral Ischemia (C5)	0.679	0.872	0.275
Stroke	2.051	2.063	1.831

The above figures indicate that in each set the mortality observed at the Hospital and that predicted on the basis of the mix-adjusted mean is between 0.889 below (C2) and just over 2 SD (C6) above the national mean. Therefore, the Hospital's rates do not differ significantly (with a confidence interval of 95

Southern Maryland's 300 Bed Full Service Hospital

"Bringing Health Care Back to the Bedside"

percent) from the national experience. While this is true, the deaths in C1 and C6 categories were further evaluated as follows:

Acute myocardial infarctions (C1):

51 cases (one case in HCFA data indicated as dying within 182 days died 355 days after discharge).

24 died 0-182 days, mean age 73.3 yrs. (54-94), F-15, M-9.

27 alive 0-182 days, mean age 72.6 yrs. (66-84), F-10, M-17.

18 died in Hospital on indicated stay:

Risk Category - 12 or > - 17 pts.

Risk Category - 7 or < - 1 pt.

Admitted from: ER - 15

directly from MD's office - 3

6 died elsewhere after indicated stay:

1 - SMHC of Congestive Heart Failure
1 - another Hospital after cardiac catheterization
4 - Home or Nursing Home

The above figures indicate that 17 of 18 patients had severe conditions with high risk of a fatal outcome more likely in spite of active therapy. The one patient who had a moderate risk classification was 94 years old with a subendocardial myocardial infarction. The majority of the patients who died were admitted through the emergency room, suggesting that they had acute onset of symptoms with a poorer prognosis.

ST AGNES HOSPITAL

Wilkens & Caton Avenues
Baltimore, MD 21229

Medicare Provider Number: 210011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,118	9.6	8.7	0.7	15.0	13.6	0.9	18.3	17.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	161	19.9	25.3	5.3	24.2	28.5	5.3	28.0	31.9	4.5
Congestive Heart Failure	261	16.5	13.4	2.8	29.1	21.3	4.0	35.6	28.1	4.1
Pneumonia/Influenza	171	17.0	13.6	3.5	24.6	19.1	4.8	26.9	23.6	5.3
Chronic Obstructive Pulmonary Disease	57	15.8	8.4	6.8	28.1	15.3	9.8	29.8	21.3	8.9
Transient Cerebral Ischemia	66	1.5	1.6	1.6	3.0	3.5	2.5	4.5	5.5	3.2
Stroke	173	19.1	18.4	4.0	26.0	24.8	3.7	30.6	29.3	4.0
Hip Fracture	82	8.5	5.2	5.1	20.7	9.8	6.2	22.0	13.1	6.0
Sepsis	27	40.7	27.4	*	48.1	34.8	*	63.0	41.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	3.0	*	4.5	6.2	*	9.1	9.4	*
Carotid Endarterectomy	13	0.0	1.6	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	47	6.4	3.7	*	17.0	7.6	*	19.1	10.7	*
Open Reduction of Hip Fracture	32	6.3	5.2	*	15.6	10.1	*	18.8	13.7	*
Prostatectomy	181	0.0	1.3	1.4	2.2	3.2	2.1	3.9	5.4	2.7
Cholecystectomy	104	1.9	3.4	2.7	3.8	6.3	4.2	5.8	8.4	5.2
Hysterectomy	55	0.0	1.1	1.6	1.8	2.3	2.5	1.8	3.4	3.6

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	403
Occupancy Rate	83
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	445
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	92
Registered Nurses	590
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST AGNES HOSPITAL

Medicare Provider Number: 210011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,992	10.8	9.1	0.7	16.5	14.1	1.0	19.9	17.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	153	28.1	24.4	4.3	32.0	27.3	5.1	36.6	30.4	5.6
Congestive Heart Failure	225	16.0	13.4	3.3	25.8	21.1	3.9	33.3	27.5	4.9
Pneumonia/Influenza	147	27.2	15.9	4.7	33.3	21.7	5.1	37.4	26.2	5.2
Chronic Obstructive Pulmonary Disease	44	13.6	7.0	*	20.5	12.1	*	22.7	16.6	*
Transient Cerebral Ischemia	81	9.9	1.8	2.6	12.3	3.8	3.1	13.6	5.9	3.4
Stroke	170	14.1	17.1	3.8	21.2	23.1	3.5	22.9	27.4	5.4
Hip Fracture	95	7.4	5.2	3.9	10.5	9.9	3.7	12.6	13.3	3.5
Sepsis	22	59.1	31.9	*	63.6	39.9	*	68.2	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	15.4	6.6	*	19.2	10.3	*	19.2	13.9	*
Carotid Endarterectomy	13	0.0	1.9	*	7.7	4.0	*	7.7	6.1	*
Hip Replacement/Reconstruction	33	3.0	3.0	*	9.1	6.3	*	15.2	9.0	*
Open Reduction of Hip Fracture	47	2.1	4.7	*	4.3	9.4	*	6.4	12.9	*
Prostatectomy	189	0.5	1.2	1.1	1.1	2.7	1.9	3.7	4.4	1.8
Cholecystectomy	93	4.3	3.6	3.2	6.5	6.6	2.7	9.7	8.5	3.2
Hysterectomy	46	2.2	0.8	*	2.2	1.6	*	2.2	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,000	9.9	10.4	0.7	16.4	15.4	0.6	21.0	19.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	163	30.1	30.5	4.3	38.0	33.8	4.2	44.2	37.2	5.0
Congestive Heart Failure	217	12.4	16.2	3.0	25.8	24.4	3.0	33.6	31.3	3.4
Pneumonia/Influenza	137	16.8	16.3	4.6	24.8	21.6	7.2	29.2	26.1	7.0
Chronic Obstructive Pulmonary Disease	63	11.1	9.5	4.5	19.0	16.3	5.5	27.0	21.5	9.1
Transient Cerebral Ischemia	71	1.4	2.1	2.0	5.6	4.4	4.0	5.6	6.9	3.7
Stroke	187	17.1	20.4	6.5	25.1	27.0	6.6	28.3	31.5	5.1
Hip Fracture	87	8.0	5.9	3.2	10.3	11.1	3.5	11.5	14.6	4.6
Sepsis	19	52.6	36.7	*	63.2	43.4	*	63.2	49.8	*
PROCEDURES:										
Angioplasty	1	0.0	6.2	*	0.0	8.1	*	0.0	9.8	*
Coronary Artery Bypass Graft	1	100.0	13.8	*	100.0	19.5	*	100.0	23.5	*
Initial Pacemaker Insertion	27	11.1	4.2	*	14.8	7.8	*	14.8	10.9	*
Carotid Endarterectomy	7	0.0	1.7	*	0.0	3.4	*	0.0	5.1	*
Hip Replacement/Reconstruction	37	2.7	4.0	*	5.4	7.8	*	5.4	10.6	*
Open Reduction of Hip Fracture	26	7.7	5.4	*	11.5	10.4	*	15.4	13.9	*
Prostatectomy	129	1.6	1.6	2.1	3.9	4.0	3.3	7.8	6.6	3.6
Cholecystectomy	96	11.5	5.0	4.1	17.7	8.6	5.0	19.8	10.9	4.9
Hysterectomy	46	2.2	1.2	*	4.3	2.6	*	6.5	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPH HOSPITAL

7620 York Rd
Baltimore, MD 21204

Medicare Provider Number: 210007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,821	9.1	8.3	0.5	13.5	13.0	0.5	16.9	16.7	0.5
CONDITIONS:										
Acute Myocardial Infarction	197	26.9	22.5	3.6	28.4	25.9	3.4	31.5	29.4	3.4
Congestive Heart Failure	241	21.2	13.9	3.8	28.2	22.2	3.9	34.4	29.4	3.7
Pneumonia/Influenza	121	17.4	14.8	4.7	24.0	20.6	4.4	25.6	25.3	4.0
Chronic Obstructive Pulmonary Disease	53	7.5	7.5	3.8	11.3	13.0	5.7	13.2	17.7	8.4
Transient Cerebral Ischemia	63	4.8	1.9	3.4	6.3	4.3	4.6	7.9	6.8	5.4
Stroke	191	16.2	18.4	3.6	24.1	25.0	3.7	30.4	29.5	3.5
Hip Fracture	142	5.6	5.4	2.0	7.7	10.2	3.6	12.7	13.7	3.4
Sepsis	51	29.4	26.2	6.9	35.3	34.9	7.0	43.1	41.5	7.1
PROCEDURES:										
Angioplasty	98	2.0	2.3	1.6	2.0	3.2	2.1	3.1	4.4	2.3
Coronary Artery Bypass Graft	131	5.3	5.6	2.4	9.2	8.3	2.7	10.7	10.0	3.0
Initial Pacemaker Insertion	21	4.8	2.8	*	4.8	5.6	*	4.8	8.5	*
Carotid Endarterectomy	23	0.0	1.6	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	80	2.5	3.2	2.9	2.5	6.2	4.0	7.5	8.5	3.4
Open Reduction of Hip Fracture	82	6.1	4.8	2.6	8.5	9.4	3.3	13.4	12.8	3.8
Prostatectomy	189	1.6	1.2	1.1	2.1	2.8	1.4	3.7	4.7	1.9
Cholecystectomy	103	2.9	2.3	2.4	5.8	4.1	3.0	5.8	5.4	3.4
Hysterectomy	50	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	415
Occupancy Rate	81
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	743
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	495
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPH HOSPITAL

Medicare Provider Number: 210007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,671	9.7	8.6	0.7	14.2	13.3	0.7	17.6	17.0	0.6
CONDITIONS:										
Acute Myocardial Infarction	215	21.4	22.6	3.3	23.7	25.6	3.5	26.5	28.9	3.5
Congestive Heart Failure	235	19.1	14.1	4.4	26.8	22.0	5.2	33.2	28.6	4.7
Pneumonia/Influenza	156	19.2	14.5	6.2	24.4	19.9	6.7	28.8	24.2	6.5
Chronic Obstructive Pulmonary Disease	37	21.6	7.9	*	29.7	14.4	*	32.4	19.6	*
Transient Cerebral Ischemia	82	2.4	1.7	1.6	3.7	3.6	2.1	6.1	5.5	2.5
Stroke	196	17.3	19.5	3.5	25.5	26.3	5.0	30.6	31.0	3.4
Hip Fracture	122	12.3	5.6	3.2	18.9	10.6	4.4	21.3	14.0	4.4
Sepsis	53	37.7	24.6	8.8	47.2	32.1	10.1	50.9	38.4	9.9
PROCEDURES:										
Angioplasty	87	1.1	3.0	2.8	1.1	4.2	3.2	1.1	5.4	3.9
Coronary Artery Bypass Graft	121	5.8	8.8	3.0	9.9	13.1	4.3	9.9	15.6	4.7
Initial Pacemaker Insertion	19	0.0	3.2	*	0.0	6.0	*	0.0	8.7	*
Carotid Endarterectomy	33	3.0	1.6	*	6.1	3.3	*	6.1	5.0	*
Hip Replacement/Reconstruction	57	3.5	2.7	2.3	7.0	5.4	3.4	7.0	7.3	3.5
Open Reduction of Hip Fracture	77	10.4	5.2	3.6	18.2	10.2	5.6	22.1	13.7	6.5
Prostatectomy	158	1.9	1.3	1.1	3.8	3.2	1.4	4.4	5.3	1.8
Cholecystectomy	99	4.0	2.4	1.9	7.1	4.4	3.6	11.1	5.8	4.6
Hysterectomy	46	0.0	2.0	*	2.2	3.3	*	2.2	4.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,458	8.9	9.0	0.6	13.7	13.8	0.5	17.6	17.5	0.6
CONDITIONS:										
Acute Myocardial Infarction	193	20.2	28.0	4.0	26.9	31.3	3.8	28.0	34.7	4.1
Congestive Heart Failure	210	16.2	17.5	3.3	28.1	26.5	3.2	37.6	33.7	4.3
Pneumonia/Influenza	142	21.8	16.6	4.7	28.2	22.5	4.9	33.8	27.1	5.6
Chronic Obstructive Pulmonary Disease	42	16.7	8.0	*	28.6	14.0	*	31.0	18.8	*
Transient Cerebral Ischemia	87	1.1	1.9	1.7	4.6	3.9	2.2	8.0	6.2	3.6
Stroke	195	22.6	19.8	5.4	28.2	26.6	5.1	32.8	31.0	4.4
Hip Fracture	129	6.2	6.3	2.9	12.4	11.5	3.0	14.0	14.9	3.4
Sepsis	55	32.7	27.3	9.9	43.6	34.6	12.5	49.1	40.5	12.1
PROCEDURES:										
Angioplasty	36	2.8	4.3	*	2.8	5.3	*	5.6	6.5	*
Coronary Artery Bypass Graft	106	6.6	7.5	3.9	7.5	10.6	4.9	8.5	12.3	5.2
Initial Pacemaker Insertion	22	4.5	2.7	*	9.1	5.6	*	18.2	8.3	*
Carotid Endarterectomy	20	0.0	1.5	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	67	4.5	3.9	2.6	10.4	7.6	5.4	10.4	10.3	5.4
Open Reduction of Hip Fracture	77	6.5	5.3	3.1	10.4	10.1	3.8	13.0	13.5	4.0
Prostatectomy	129	0.0	1.1	1.5	3.1	2.5	1.5	5.4	4.2	2.1
Cholecystectomy	83	3.6	3.5	2.4	8.4	6.3	3.9	13.3	8.2	5.4
Hysterectomy	36	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST MARYS HOSPITAL

50 Jefferson St
Leonardtown, MD 20650

Medicare Provider Number: 210028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	978	9.4	9.3	0.9	15.7	14.2	1.7	19.2	18.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	31	32.3	21.6	*	35.5	24.5	*	35.5	27.7	*
Congestive Heart Failure	63	22.2	16.6	8.9	31.7	26.0	7.9	39.7	33.4	8.1
Pneumonia/Influenza	70	14.3	15.3	4.7	28.6	21.5	8.5	31.4	26.4	8.5
Chronic Obstructive Pulmonary Disease	39	7.7	8.3	*	17.9	14.7	*	17.9	20.1	*
Transient Cerebral Ischemia	19	0.0	1.7	*	0.0	3.7	*	15.8	6.0	*
Stroke	34	17.6	18.1	*	29.4	23.3	*	32.4	27.6	*
Hip Fracture	25	4.0	6.0	*	8.0	11.2	*	12.0	14.8	*
Sepsis	7	28.6	29.7	*	28.6	37.0	*	42.9	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.6	*	0.0	3.6	*	0.0	6.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	3.6	*	0.0	7.6	*	12.5	11.0	*
Open Reduction of Hip Fracture	13	0.0	6.1	*	7.7	11.8	*	7.7	15.6	*
Prostatectomy	23	0.0	1.0	*	0.0	2.4	*	0.0	4.1	*
Cholecystectomy	13	0.0	4.3	*	0.0	7.8	*	0.0	10.1	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	107
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	52
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	89
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST MARYS HOSPITAL

Medicare Provider Number: 210028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	898	8.5	10.1	1.5	13.3	14.9	1.6	18.3	18.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	39	33.3	30.2	*	38.5	33.7	*	38.5	37.4	*
Congestive Heart Failure	55	9.1	14.5	9.4	12.7	22.4	11.6	21.8	29.0	12.1
Pneumonia/Influenza	49	16.3	13.1	*	26.5	18.0	*	28.6	22.1	*
Chronic Obstructive Pulmonary Disease	34	2.9	10.2	*	11.8	17.9	*	17.6	24.2	*
Transient Cerebral Ischemia	22	0.0	1.9	*	0.0	4.4	*	4.5	6.9	*
Stroke	35	25.7	20.0	*	37.1	26.2	*	40.0	31.0	*
Hip Fracture	15	0.0	5.2	*	0.0	9.7	*	0.0	12.8	*
Sepsis	8	0.0	35.2	*	12.5	40.8	*	12.5	46.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.1	*	0.0	2.4	*	0.0	3.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	2.6	*	0.0	5.0	*	0.0	6.8	*
Open Reduction of Hip Fracture	9	0.0	4.5	*	0.0	8.9	*	0.0	12.0	*
Prostatectomy	30	0.0	1.2	*	0.0	2.8	*	3.3	4.5	*
Cholecystectomy	11	0.0	1.7	*	0.0	2.9	*	0.0	3.8	*
Hysterectomy	6	16.7	0.5	*	16.7	1.0	*	16.7	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	906	10.8	9.9	1.1	17.7	14.7	1.6	22.6	18.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	41	17.1	26.3	*	24.4	29.4	*	31.7	32.8	*
Congestive Heart Failure	44	6.8	18.8	*	27.3	29.1	*	34.1	37.3	*
Pneumonia/Influenza	38	23.7	13.6	*	31.6	18.9	*	50.0	23.3	*
Chronic Obstructive Pulmonary Disease	23	17.4	11.2	*	30.4	19.7	*	39.1	26.2	*
Transient Cerebral Ischemia	31	0.0	2.2	*	0.0	5.0	*	6.5	8.2	*
Stroke	37	37.8	23.4	*	45.9	29.8	*	54.1	34.6	*
Hip Fracture	23	13.0	5.6	*	17.4	10.5	*	21.7	13.8	*
Sepsis	4	50.0	39.6	*	50.0	48.0	*	100.0	55.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.2	*	12.5	6.4	*	12.5	9.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	5.3	*	25.0	10.3	*	25.0	13.6	*
Open Reduction of Hip Fracture	13	7.7	4.3	*	7.7	8.3	*	15.4	11.2	*
Prostatectomy	26	3.8	1.2	*	3.8	2.8	*	3.8	4.4	*
Cholecystectomy	22	0.0	2.4	*	0.0	4.4	*	4.5	5.9	*
Hysterectomy	6	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SUBURBAN HOSPITAL ASSOCIATION

8600 Old Georgetown Rd
Bethesda, MD 20814

Medicare Provider Number: 210022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,520	8.8	8.4	0.7	13.6	12.8	0.9	17.0	16.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	64	32.8	26.4	7.7	35.9	30.0	7.3	35.9	33.8	6.2
Congestive Heart Failure	100	17.0	14.8	4.9	29.0	23.1	8.8	36.0	30.0	9.6
Pneumonia/Influenza	89	10.1	14.9	8.4	15.7	20.5	8.1	21.3	25.2	6.9
Chronic Obstructive Pulmonary Disease	25	12.0	6.2	*	16.0	10.9	*	28.0	15.3	*
Transient Cerebral Ischemia	24	0.0	1.9	*	0.0	4.2	*	4.2	6.8	*
Stroke	128	19.5	20.4	4.0	28.1	27.1	4.3	32.8	31.8	4.6
Hip Fracture	95	11.6	5.8	4.4	13.7	11.0	4.1	15.8	14.6	3.8
Sepsis	26	26.9	28.1	*	46.2	35.0	*	50.0	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	3.8	*	10.0	7.6	*	10.0	11.0	*
Carotid Endarterectomy	11	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	40	2.5	3.3	*	5.0	6.3	*	7.5	8.7	*
Open Reduction of Hip Fracture	48	12.5	5.0	*	14.6	9.9	*	14.6	13.5	*
Prostatectomy	67	1.5	0.9	1.3	1.5	2.1	1.8	1.5	3.6	2.9
Cholecystectomy	39	10.3	4.1	*	10.3	6.5	*	10.3	7.9	*
Hysterectomy	3	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	282
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	382
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	0
Registered Nurses	362
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

SUBURBAN HOSPITAL ASSOCIATION

Medicare Provider Number: 210022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,500	8.7	9.0	0.6	13.6	13.6	0.7	16.6	17.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	72	22.2	24.6	5.4	27.8	28.0	5.3	29.2	31.3	6.0
Congestive Heart Failure	70	11.4	14.3	5.5	14.3	21.6	8.2	18.6	27.9	10.9
Pneumonia/Influenza	94	21.3	16.9	7.4	30.9	23.1	8.8	37.2	27.8	9.7
Chronic Obstructive Pulmonary Disease	14	14.3	6.7	*	28.6	11.5	*	28.6	15.7	*
Transient Cerebral Ischemia	26	0.0	1.9	*	0.0	4.2	*	7.7	6.7	*
Stroke	87	28.7	20.0	6.0	37.9	26.5	7.5	42.5	31.0	8.7
Hip Fracture	98	7.1	5.7	3.0	14.3	11.0	5.3	19.4	14.7	7.8
Sepsis	37	32.4	30.2	*	40.5	37.6	*	43.2	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	3.9	*	18.2	5.9	*	18.2	7.9	*
Carotid Endarterectomy	13	0.0	1.5	*	0.0	2.8	*	7.7	4.2	*
Hip Replacement/Reconstruction	51	3.9	2.8	3.0	5.9	5.7	3.4	7.8	8.0	3.8
Open Reduction of Hip Fracture	44	6.8	5.5	*	18.2	10.9	*	25.0	14.8	*
Prostatectomy	78	0.0	1.2	*	0.0	2.8	*	0.0	4.6	*
Cholecystectomy	37	0.0	4.3	*	2.7	7.4	*	5.4	9.4	*
Hysterectomy	7	0.0	1.6	*	0.0	3.5	*	0.0	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,334	8.8	9.8	1.0	13.5	14.6	1.2	17.4	18.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	73	19.2	28.5	8.1	24.7	32.0	9.1	24.7	35.7	10.0
Congestive Heart Failure	101	22.8	17.9	8.3	32.7	27.0	9.8	39.6	34.3	9.9
Pneumonia/Influenza	67	22.4	18.8	6.7	35.8	25.0	9.6	41.8	30.0	9.7
Chronic Obstructive Pulmonary Disease	20	10.0	9.9	*	15.0	16.3	*	30.0	21.4	*
Transient Cerebral Ischemia	25	0.0	1.8	*	0.0	3.9	*	4.0	6.1	*
Stroke	113	18.6	24.5	5.0	28.3	31.6	4.6	38.1	36.2	4.7
Hip Fracture	80	5.0	6.1	2.9	6.3	11.2	5.2	7.5	14.5	6.4
Sepsis	33	21.2	30.5	*	33.3	37.5	*	48.5	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	3.9	*	0.0	7.6	*	5.0	10.7	*
Carotid Endarterectomy	14	0.0	1.7	*	7.1	3.3	*	14.3	4.8	*
Hip Replacement/Reconstruction	47	4.3	4.1	*	6.4	7.8	*	10.6	10.6	*
Open Reduction of Hip Fracture	40	2.5	4.7	*	2.5	9.1	*	2.5	12.2	*
Prostatectomy	80	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	41	0.0	3.2	*	2.4	5.7	*	2.4	7.3	*
Hysterectomy	8	12.5	1.7	*	12.5	3.5	*	12.5	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNION HOSPITAL-CECIL COUNTY

106 Singerly Avenue
Elkton, MD 21921

Medicare Provider Number: 210032

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,223	6.5	7.9	1.1	10.7	12.3	1.2	14.7	16.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	58	17.2	20.5	6.7	19.0	24.3	8.2	22.4	27.9	9.8
Congestive Heart Failure	60	15.0	13.7	5.1	21.7	21.9	5.8	30.0	28.7	6.6
Pneumonia/Influenza	73	12.3	15.6	5.3	20.5	21.4	5.5	24.7	25.9	7.0
Chronic Obstructive Pulmonary Disease	56	3.6	6.8	5.4	5.4	11.8	7.5	8.9	16.4	9.1
Transient Cerebral Ischemia	19	0.0	1.7	*	0.0	3.8	*	0.0	6.2	*
Stroke	40	17.5	15.8	*	27.5	22.3	*	32.5	26.8	*
Hip Fracture	20	0.0	5.3	*	5.0	10.1	*	15.0	13.7	*
Sepsis	11	9.1	27.7	*	9.1	34.9	*	27.3	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	7.4	*	0.0	9.3	*	0.0	12.2	*
Carotid Endarterectomy	6	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	10	0.0	4.4	*	20.0	8.7	*	20.0	11.9	*
Open Reduction of Hip Fracture	10	0.0	5.1	*	0.0	10.0	*	20.0	13.8	*
Prostatectomy	52	1.9	1.5	1.7	1.9	3.6	2.9	1.9	5.8	4.6
Cholecystectomy	17	0.0	1.9	*	0.0	3.4	*	17.6	4.5	*
Hysterectomy	4	0.0	0.6	*	0.0	1.0	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	139
Occupancy Rate	61
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	93
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	150
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

UNION HOSPITAL-CECIL COUNTY

Medicare Provider Number: 210032

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,217	7.8	8.6	1.4	12.6	13.0	1.5	15.3	16.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	53	17.0	22.2	6.6	24.5	26.1	6.1	28.3	29.6	6.3
Congestive Heart Failure	61	18.0	13.8	6.2	23.0	21.1	5.5	27.9	27.3	5.8
Pneumonia/Influenza	64	21.9	16.0	5.9	31.3	21.8	7.9	34.4	26.3	8.2
Chronic Obstructive Pulmonary Disease	41	4.9	8.3	*	12.2	14.1	*	14.6	19.0	*
Transient Cerebral Ischemia	14	0.0	1.6	*	0.0	3.6	*	0.0	5.6	*
Stroke	39	15.4	19.2	*	25.6	26.1	*	28.2	30.8	*
Hip Fracture	24	4.2	5.4	*	8.3	10.2	*	12.5	13.5	*
Sepsis	20	30.0	32.8	*	45.0	39.2	*	45.0	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.1	*	50.0	2.8	*	50.0	4.6	*
Carotid Endarterectomy	9	0.0	1.8	*	0.0	3.5	*	11.1	5.1	*
Hip Replacement/Reconstruction	6	16.7	4.7	*	33.3	9.2	*	50.0	12.3	*
Open Reduction of Hip Fracture	18	0.0	4.9	*	0.0	9.8	*	5.6	13.3	*
Prostatectomy	59	1.7	1.2	1.8	1.7	2.8	2.6	3.4	4.5	3.3
Cholecystectomy	24	8.3	2.9	*	8.3	4.9	*	8.3	6.1	*
Hysterectomy	6	0.0	2.5	*	0.0	6.2	*	16.7	9.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,188	7.2	8.8	1.2	11.5	13.4	1.5	14.7	17.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	68	30.9	26.4	6.8	38.2	29.9	8.9	38.2	33.4	7.2
Congestive Heart Failure	53	13.2	16.4	7.5	24.5	25.3	7.2	30.2	32.5	8.4
Pneumonia/Influenza	63	7.9	14.3	6.5	11.1	19.5	7.9	12.7	23.5	9.3
Chronic Obstructive Pulmonary Disease	36	5.6	9.7	*	5.6	16.5	*	5.6	22.0	*
Transient Cerebral Ischemia	18	0.0	1.4	*	5.6	3.1	*	5.6	4.9	*
Stroke	40	12.5	18.6	*	17.5	25.2	*	20.0	29.8	*
Hip Fracture	18	0.0	4.8	*	0.0	8.5	*	5.6	11.1	*
Sepsis	11	27.3	22.9	*	27.3	29.8	*	36.4	35.2	*
PROCEDURES:										
Angioplasty	1	0.0	2.7	*	0.0	5.5	*	0.0	7.5	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.7	*	0.0	4.9	*	0.0	7.0	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	9	0.0	2.4	*	0.0	4.7	*	0.0	6.4	*
Open Reduction of Hip Fracture	9	0.0	3.8	*	0.0	6.9	*	0.0	9.1	*
Prostatectomy	61	0.0	1.4	2.3	1.6	3.2	3.4	4.9	5.3	3.7
Cholecystectomy	17	0.0	1.7	*	5.9	3.3	*	5.9	4.8	*
Hysterectomy	4	25.0	2.9	*	25.0	6.5	*	25.0	9.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

UNION MEMORIAL HOSPITAL

201 E University Pky
Baltimore, MD 21218

Medicare Provider Number: 210024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,785	7.9	8.0	0.5	12.4	12.6	0.6	16.6	16.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	154	21.4	22.8	5.3	24.0	26.7	4.2	28.6	30.7	4.2
Congestive Heart Failure	195	13.8	13.5	3.2	18.5	21.6	4.1	28.2	28.5	3.3
Pneumonia/Influenza	145	13.1	15.8	3.7	20.7	21.9	3.6	24.8	26.8	4.0
Chronic Obstructive Pulmonary Disease	45	8.9	5.0	*	15.6	9.9	*	17.8	14.6	*
Transient Cerebral Ischemia	39	0.0	1.6	*	0.0	3.8	*	5.1	6.2	*
Stroke	132	17.4	18.4	3.4	25.0	25.0	3.8	33.3	29.5	4.4
Hip Fracture	98	7.1	4.6	3.0	11.2	8.8	4.6	15.3	12.0	5.7
Sepsis	34	41.2	28.7	*	44.1	36.3	*	47.1	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.5	*	13.3	7.5	*	13.3	10.3	*
Carotid Endarterectomy	7	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	46	4.3	2.6	*	8.7	5.3	*	15.2	7.5	*
Open Reduction of Hip Fracture	56	5.4	3.8	2.9	8.9	7.6	3.8	10.7	10.6	4.1
Prostatectomy	129	0.8	1.5	1.2	1.6	3.4	2.3	3.1	5.7	3.9
Cholecystectomy	53	0.0	2.2	*	0.0	4.0	*	0.0	5.4	*
Hysterectomy	14	0.0	0.8	*	0.0	1.9	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	349
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	457
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	68
Registered Nurses	419
Licensed Practical Nurses	75

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

UNION MEMORIAL HOSPITAL

Medicare Provider Number: 210024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,733	8.3	9.0	0.6	13.2	13.7	0.6	17.0	17.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	177	12.4	24.7	4.5	20.3	28.5	4.1	23.2	32.3	4.2
Congestive Heart Failure	188	16.5	14.9	3.0	23.4	23.3	3.3	32.4	30.2	4.6
Pneumonia/Influenza	153	14.4	15.3	3.1	22.2	21.0	4.2	27.5	25.5	5.0
Chronic Obstructive Pulmonary Disease	12	25.0	6.4	*	25.0	10.7	*	25.0	14.1	*
Transient Cerebral Ischemia	40	0.0	1.8	*	7.5	4.0	*	12.5	6.3	*
Stroke	155	21.9	17.3	5.3	29.0	24.5	4.9	32.9	29.1	5.2
Hip Fracture	96	8.3	5.3	2.9	11.5	10.0	3.9	17.7	13.3	5.3
Sepsis	52	23.1	31.1	8.7	38.5	37.9	7.5	46.2	44.4	7.9
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	3.8	3.9	*	7.7	7.3	*	7.7	10.3	*
Carotid Endarterectomy	4	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	40	5.0	3.4	*	5.0	6.6	*	7.5	9.0	*
Open Reduction of Hip Fracture	64	6.3	4.2	4.0	10.9	8.4	5.1	14.1	11.4	7.0
Prostatectomy	141	1.4	1.7	1.2	2.8	3.6	1.7	3.5	5.7	2.6
Cholecystectomy	46	2.2	4.1	*	10.9	7.5	*	17.4	9.9	*
Hysterectomy	19	0.0	3.4	*	0.0	7.1	*	0.0	10.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,672	8.2	9.6	0.7	13.1	14.5	0.8	16.6	18.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	159	20.8	29.7	5.4	25.8	33.6	5.4	30.2	37.6	5.2
Congestive Heart Failure	216	10.6	17.7	3.9	19.0	26.6	4.5	25.0	33.7	4.7
Pneumonia/Influenza	128	13.3	17.8	5.3	22.7	23.7	4.7	25.8	28.5	5.1
Chronic Obstructive Pulmonary Disease	17	5.9	7.6	*	17.6	15.0	*	23.5	20.8	*
Transient Cerebral Ischemia	64	0.0	1.7	2.3	0.0	3.6	4.0	3.1	5.5	3.5
Stroke	170	21.2	20.7	4.0	22.9	27.6	5.5	29.4	32.0	5.1
Hip Fracture	100	8.0	5.6	2.8	12.0	10.3	3.3	14.0	13.5	3.4
Sepsis	37	18.9	30.0	*	27.0	38.1	*	27.0	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.0	*	0.0	5.8	*	0.0	8.5	*
Carotid Endarterectomy	10	0.0	1.8	*	10.0	3.2	*	10.0	4.6	*
Hip Replacement/Reconstruction	53	5.7	3.1	3.5	9.4	6.0	4.7	11.3	8.1	5.9
Open Reduction of Hip Fracture	53	5.7	5.3	4.2	11.3	10.1	4.3	11.3	13.5	5.0
Prostatectomy	125	0.8	1.4	1.2	3.2	3.4	1.6	5.6	5.6	2.1
Cholecystectomy	43	2.3	4.3	*	7.0	7.1	*	7.0	9.1	*
Hysterectomy	27	3.7	2.1	*	3.7	4.3	*	3.7	6.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNIVERSITY OF MARYLAND HOSPITAL

22 S Greene St
Baltimore, MD 21201

Medicare Provider Number: 210002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	2,201	10.2	9.6	0.9	16.0	15.2	1.1	19.7	19.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	44	20.5	24.9	*	25.0	28.7	*	25.0	32.5	*
Congestive Heart Failure	73	8.2	12.4	7.8	15.1	20.4	8.7	24.7	27.3	7.1
Pneumonia/Influenza	34	17.6	13.6	*	32.4	19.7	*	35.3	24.6	*
Chronic Obstructive Pulmonary Disease	22	0.0	8.0	*	4.5	13.8	*	9.1	18.8	*
Transient Cerebral Ischemia	16	0.0	1.4	*	0.0	3.3	*	0.0	5.4	*
Stroke	51	29.4	22.3	9.4	33.3	27.9	8.1	35.3	32.1	7.5
Hip Fracture	16	0.0	4.4	*	12.5	8.4	*	12.5	11.2	*
Sepsis	17	47.1	23.3	*	47.1	30.9	*	52.9	37.4	*
PROCEDURES:										
Angioplasty	48	4.2	3.4	*	10.4	4.9	*	10.4	6.3	*
Coronary Artery Bypass Graft	109	7.3	6.9	5.3	8.3	10.3	5.7	9.2	12.4	6.2
Initial Pacemaker Insertion	3	0.0	1.7	*	0.0	3.7	*	0.0	5.6	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	4	0.0	2.7	*	0.0	7.0	*	25.0	11.9	*
Open Reduction of Hip Fracture	11	0.0	3.5	*	0.0	7.0	*	0.0	9.6	*
Prostatectomy	34	2.9	1.1	*	2.9	2.8	*	2.9	4.8	*
Cholecystectomy	8	12.5	8.5	*	37.5	16.5	*	37.5	22.0	*
Hysterectomy	12	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	669
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	506
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	207
Registered Nurses	1,264
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

UNIVERSITY OF MARYLAND HOSPITAL

Medicare Provider Number: 210002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,249	10.1	8.8	0.8	15.8	14.2	1.0	19.8	18.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	27	33.3	22.4	*	37.0	25.7	*	40.7	29.4	*
Congestive Heart Failure	62	4.8	11.2	5.4	8.1	18.3	7.5	12.9	24.6	8.6
Pneumonia/Influenza	39	15.4	13.5	*	25.6	19.3	*	38.5	23.7	*
Chronic Obstructive Pulmonary Disease	14	14.3	9.9	*	28.6	16.9	*	28.6	22.8	*
Transient Cerebral Ischemia	10	0.0	2.3	*	0.0	5.0	*	0.0	7.6	*
Stroke	66	25.8	22.9	7.1	33.3	29.3	7.6	36.4	33.8	6.8
Hip Fracture	16	25.0	5.4	*	37.5	10.2	*	37.5	13.7	*
Sepsis	15	46.7	22.2	*	46.7	29.9	*	66.7	36.2	*
PROCEDURES:										
Angioplasty	23	4.3	2.5	*	8.7	3.3	*	8.7	4.2	*
Coronary Artery Bypass Graft	92	6.5	6.9	2.7	9.8	10.1	4.1	10.9	12.0	4.2
Initial Pacemaker Insertion	13	38.5	7.1	*	53.8	11.7	*	53.8	15.5	*
Carotid Endarterectomy	18	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	9	11.1	3.7	*	11.1	8.9	*	11.1	14.1	*
Open Reduction of Hip Fracture	5	40.0	4.4	*	40.0	8.8	*	40.0	12.1	*
Prostatectomy	44	0.0	1.7	*	0.0	4.2	*	0.0	7.0	*
Cholecystectomy	17	0.0	3.8	*	23.5	8.3	*	29.4	12.3	*
Hysterectomy	17	11.8	3.6	*	23.5	7.3	*	29.4	10.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,131	8.5	8.8	0.7	14.4	14.0	1.0	18.2	18.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	27.4	*	36.8	30.9	*	42.1	34.6	*
Congestive Heart Failure	61	9.8	14.2	6.7	19.7	22.2	7.0	24.6	28.9	8.6
Pneumonia/Influenza	27	25.9	15.5	*	37.0	21.0	*	37.0	25.6	*
Chronic Obstructive Pulmonary Disease	13	0.0	9.6	*	7.7	15.0	*	15.4	19.3	*
Transient Cerebral Ischemia	16	0.0	1.4	*	0.0	3.0	*	0.0	4.7	*
Stroke	52	13.5	23.0	7.6	26.9	28.9	8.2	30.8	33.2	6.6
Hip Fracture	17	0.0	6.0	*	0.0	11.2	*	0.0	14.6	*
Sepsis	18	27.8	24.0	*	27.8	34.2	*	38.9	41.1	*
PROCEDURES:										
Angioplasty	11	0.0	2.0	*	0.0	2.9	*	0.0	4.1	*
Coronary Artery Bypass Graft	78	2.6	7.0	3.4	2.6	9.8	4.4	2.6	11.3	5.1
Initial Pacemaker Insertion	8	0.0	4.2	*	0.0	8.6	*	0.0	12.6	*
Carotid Endarterectomy	10	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	15	0.0	2.2	*	0.0	4.3	*	0.0	6.1	*
Open Reduction of Hip Fracture	5	0.0	10.6	*	0.0	20.7	*	0.0	27.2	*
Prostatectomy	37	0.0	2.0	*	8.1	4.7	*	8.1	7.6	*
Cholecystectomy	12	0.0	3.0	*	8.3	5.6	*	16.7	7.5	*
Hysterectomy	18	5.6	2.9	*	16.7	6.0	*	16.7	8.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WASHINGTON ADVENTIST HOSPITAL

7600 Carroll Ave
Takoma Park, MD 20912

Medicare Provider Number: 210016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,206	7.0	8.3	0.8	11.9	12.8	0.8	15.3	16.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	45	20.0	25.5	*	26.7	29.1	*	31.1	32.7	*
Congestive Heart Failure	73	15.1	15.3	4.3	26.0	23.4	7.0	34.2	30.2	7.0
Pneumonia/Influenza	52	15.4	17.6	7.2	19.2	23.9	7.7	26.9	28.9	6.5
Chronic Obstructive Pulmonary Disease	29	3.4	8.8	*	13.8	14.3	*	17.2	19.2	*
Transient Cerebral Ischemia	17	0.0	2.7	*	5.9	6.3	*	5.9	10.3	*
Stroke	64	18.8	20.3	6.4	25.0	27.3	7.6	26.6	32.0	10.1
Hip Fracture	46	8.7	7.9	*	17.4	14.1	*	21.7	18.3	*
Sepsis	22	40.9	30.1	*	59.1	38.3	*	63.6	44.6	*
PROCEDURES:										
Angioplasty	152	3.3	2.6	1.4	4.6	3.7	1.7	5.3	4.9	1.8
Coronary Artery Bypass Graft	118	2.5	6.0	3.0	4.2	9.0	3.4	7.6	10.9	3.3
Initial Pacemaker Insertion	12	8.3	1.9	*	16.7	3.8	*	16.7	6.0	*
Carotid Endarterectomy	7	0.0	1.6	*	14.3	2.8	*	14.3	4.1	*
Hip Replacement/Reconstruction	21	0.0	4.0	*	14.3	7.4	*	19.0	9.9	*
Open Reduction of Hip Fracture	31	6.5	6.7	*	9.7	12.6	*	12.9	16.6	*
Prostatectomy	44	0.0	0.7	*	0.0	1.7	*	0.0	3.0	*
Cholecystectomy	25	0.0	2.6	*	4.0	4.6	*	4.0	6.0	*
Hysterectomy	14	7.1	2.0	*	7.1	4.3	*	7.1	6.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	300
Occupancy Rate	84
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	217
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	445
Licensed Practical Nurses	30

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WASHINGTON ADVENTIST HOSPITAL

Medicare Provider Number: 210016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,064	7.0	8.1	1.0	11.1	12.4	1.2	14.2	15.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	55	25.5	27.2	7.2	27.3	31.2	8.8	29.1	34.8	10.7
Congestive Heart Failure	78	14.1	15.3	4.6	26.9	23.3	6.7	32.1	30.0	7.0
Pneumonia/Influenza	58	10.3	18.4	7.4	19.0	24.9	7.4	22.4	29.9	8.4
Chronic Obstructive Pulmonary Disease	36	2.8	7.2	*	16.7	12.2	*	19.4	16.8	*
Transient Cerebral Ischemia	19	0.0	1.5	*	0.0	3.1	*	0.0	4.8	*
Stroke	69	11.6	21.2	8.1	17.4	27.7	6.2	29.0	32.3	5.8
Hip Fracture	35	8.6	7.5	*	14.3	13.4	*	14.3	17.1	*
Sepsis	18	22.2	30.1	*	33.3	39.3	*	33.3	45.6	*
PROCEDURES:										
Angioplasty	105	5.7	3.1	2.3	7.6	4.1	3.0	10.5	5.1	4.1
Coronary Artery Bypass Graft	95	4.2	6.5	3.2	7.4	9.1	3.3	10.5	10.9	3.3
Initial Pacemaker Insertion	21	0.0	4.6	*	4.8	6.8	*	9.5	8.8	*
Carotid Endarterectomy	4	0.0	1.9	*	0.0	3.7	*	0.0	5.5	*
Hip Replacement/Reconstruction	24	0.0	3.7	*	8.3	7.0	*	8.3	9.1	*
Open Reduction of Hip Fracture	19	10.5	7.1	*	10.5	13.4	*	10.5	17.6	*
Prostatectomy	50	0.0	1.4	*	0.0	3.4	*	0.0	5.4	*
Cholecystectomy	36	0.0	3.0	*	2.8	5.7	*	5.6	7.6	*
Hysterectomy	18	5.6	0.6	*	5.6	1.1	*	5.6	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,881	8.0	9.1	0.9	13.9	13.6	0.9	18.4	17.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	50	28.0	27.5	*	28.0	30.8	*	32.0	34.5	*
Congestive Heart Failure	63	12.7	15.7	6.8	20.6	23.7	6.8	30.2	30.5	5.9
Pneumonia/Influenza	59	20.3	20.3	5.5	28.8	27.3	5.9	37.3	32.9	9.1
Chronic Obstructive Pulmonary Disease	35	8.6	8.5	*	17.1	14.4	*	31.4	19.4	*
Transient Cerebral Ischemia	33	6.1	2.1	*	6.1	4.4	*	9.1	7.0	*
Stroke	60	23.3	23.5	6.4	30.0	30.2	6.1	35.0	34.6	6.7
Hip Fracture	26	3.8	6.1	*	7.7	11.1	*	19.2	14.4	*
Sepsis	11	27.3	36.1	*	27.3	42.9	*	36.4	49.7	*
PROCEDURES:										
Angioplasty	50	8.0	5.0	*	8.0	6.0	*	8.0	7.2	*
Coronary Artery Bypass Graft	59	8.5	6.2	5.4	11.9	8.2	6.6	15.3	9.3	8.3
Initial Pacemaker Insertion	19	0.0	3.1	*	0.0	6.6	*	0.0	10.0	*
Carotid Endarterectomy	4	0.0	1.8	*	0.0	3.9	*	0.0	5.8	*
Hip Replacement/Reconstruction	9	11.1	4.3	*	22.2	8.7	*	22.2	12.0	*
Open Reduction of Hip Fracture	19	5.3	5.5	*	5.3	10.5	*	21.1	13.9	*
Prostatectomy	38	0.0	0.8	*	0.0	1.8	*	0.0	3.2	*
Cholecystectomy	20	0.0	2.1	*	0.0	4.0	*	0.0	5.3	*
Hysterectomy	11	9.1	2.5	*	9.1	5.3	*	27.3	8.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WASHINGTON COUNTY HOSPITAL

King & Antietam Sts
Hagerstown, MD 21740

Medicare Provider Number: 210001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	3,301	8.8	8.7	0.5	13.9	13.4	0.7	17.4	17.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	148	20.3	21.5	4.4	22.3	25.0	4.3	28.4	28.5	3.7
Congestive Heart Failure	187	14.4	13.8	2.6	23.0	21.7	3.5	28.3	28.4	3.4
Pneumonia/Influenza	181	13.3	13.7	2.6	16.6	19.0	3.4	21.5	23.5	3.4
Chronic Obstructive Pulmonary Disease	96	7.3	5.7	2.8	17.7	10.1	5.4	19.8	14.1	5.2
Transient Cerebral Ischemia	67	3.0	1.6	3.7	6.0	3.5	4.1	7.5	5.5	3.8
Stroke	144	18.8	17.5	3.5	25.0	23.8	4.2	25.7	28.0	5.5
Hip Fracture	94	3.2	4.8	2.6	11.7	9.0	3.7	13.8	12.1	4.6
Sepsis	16	37.5	23.4	*	43.8	30.5	*	50.0	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	5.7	*	0.0	9.5	*	0.0	12.4	*
Carotid Endarterectomy	65	0.0	1.7	2.2	1.5	3.3	2.7	3.1	5.1	3.6
Hip Replacement/Reconstruction	57	1.8	3.5	3.9	7.0	7.0	6.4	7.0	9.7	5.1
Open Reduction of Hip Fracture	19	0.0	4.2	*	5.3	8.1	*	5.3	10.9	*
Prostatectomy	140	0.0	0.9	1.0	1.4	2.2	1.5	1.4	3.8	2.1
Cholecystectomy	71	0.0	2.8	3.4	0.0	4.9	5.4	2.8	6.4	4.5
Hysterectomy	22	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	304
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	148
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	320
Licensed Practical Nurses	46

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

WASHINGTON COUNTY HOSPITAL

Medicare Provider Number: 210001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,253	10.9	8.8	0.7	16.1	13.5	0.9	19.6	17.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	161	27.3	25.6	3.7	36.0	28.8	4.6	39.8	32.1	4.8
Congestive Heart Failure	182	20.3	14.3	4.4	26.9	22.1	4.2	33.0	28.6	4.2
Pneumonia/Influenza	163	17.2	15.4	4.8	22.7	21.4	4.3	27.6	26.0	4.8
Chronic Obstructive Pulmonary Disease	71	4.2	5.5	3.2	8.5	10.3	4.0	12.7	14.6	5.3
Transient Cerebral Ischemia	70	1.4	1.6	*	5.7	3.5	*	10.0	5.4	*
Stroke	128	22.7	18.3	6.4	32.8	24.8	6.9	35.9	29.2	7.4
Hip Fracture	92	6.5	5.3	2.6	13.0	9.8	3.8	18.5	12.9	6.1
Sepsis	22	31.8	23.7	*	36.4	32.6	*	40.9	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	10.6	*	5.9	13.9	*	11.8	17.0	*
Carotid Endarterectomy	70	0.0	1.8	2.3	4.3	3.5	2.3	5.7	5.2	3.1
Hip Replacement/Reconstruction	55	3.6	2.4	2.2	7.3	4.7	3.7	10.9	6.3	5.4
Open Reduction of Hip Fracture	34	8.8	4.9	*	14.7	9.4	*	17.6	12.6	*
Prostatectomy	143	1.4	1.3	1.0	2.8	3.2	1.7	4.2	5.4	2.4
Cholecystectomy	98	3.1	2.3	2.0	4.1	4.2	3.0	6.1	5.6	2.9
Hysterectomy	24	4.2	1.3	*	4.2	2.5	*	8.3	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,082	10.1	9.8	0.6	14.9	14.6	0.7	18.8	18.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	149	29.5	29.0	4.4	38.3	32.6	4.5	43.6	36.3	5.0
Congestive Heart Failure	175	17.1	17.1	3.7	24.6	25.7	5.0	32.6	32.6	3.9
Pneumonia/Influenza	121	12.4	15.9	5.1	15.7	21.4	6.4	21.5	26.0	6.0
Chronic Obstructive Pulmonary Disease	58	12.1	6.3	4.4	19.0	11.4	6.2	25.9	15.7	8.4
Transient Cerebral Ischemia	71	2.8	1.9	2.2	4.2	3.9	3.2	4.2	6.1	3.9
Stroke	119	21.8	20.4	4.0	26.1	27.1	4.2	28.6	31.4	5.3
Hip Fracture	75	6.7	5.9	3.1	9.3	10.9	3.9	16.0	14.4	4.5
Sepsis	15	26.7	23.6	*	60.0	31.2	*	60.0	36.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	6.0	*	5.6	10.3	*	5.6	13.6	*
Carotid Endarterectomy	66	1.5	1.6	1.6	4.5	3.1	2.5	6.1	4.6	3.2
Hip Replacement/Reconstruction	40	2.5	2.2	*	2.5	4.5	*	12.5	6.5	*
Open Reduction of Hip Fracture	22	13.6	4.6	*	18.2	8.9	*	18.2	12.0	*
Prostatectomy	143	0.7	1.1	1.0	0.7	2.6	2.0	4.2	4.3	2.0
Cholecystectomy	77	5.2	2.8	2.9	9.1	4.9	4.7	14.3	6.3	4.3
Hysterectomy	19	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

145.1

WASHINGTON COUNTY HOSPITAL ASSOCIATION
CARING FOR LIFE
251 East Antietam Street • Hagerstown, MD 21740-5771 • (301) 790-8000

December 12, 1990

Medicare Provider#
210001

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

Washington County Hospital Association (WCHA) recently received HCFA mortality data for 1989. The data received, reports the relationship of diagnosis and percentage of death which occurred in specific categories for Medicare patients only. Additionally, it measures the range of predicted deaths by percentage. The past two years are included for comparative purposes. This year, the report includes deaths which occurred in specific time frames.

WCHA has an ongoing commitment to high levels of patient care. As the data indicates, WCHA's mortality rates fall within the predicted range in each category. These reports are just one measure for monitoring and evaluating patient care.

Other methods include, daily review by Department of Quality Review staff, educated and trained to identify specific areas of concern. When an area is identified as a concern, it is then referred to the appropriate member of the hospital's medical staff for physician "peer" review.

The Quality Review Department is also responsible for assisting in a number of peer review activities including: infection control, drug usage, blood transfusions, and surgical case review. In addition, WCHA recently modified and improved its own mortality review system.

At WCHA, the goal of all ongoing quality review activities is designed to identify ways of improving patient care. Each medical staff and hospital department has an ongoing mechanism to monitor and evaluate quality performance.

When considering mortality rates, it is obvious that WCHA is providing high levels of quality care. It should be noted, however, that such information alone should not serve as a hospital's primary indicator of quality. It is merely another tool for evaluating performance. The real method for evaluating the quality of patient care comes from the daily review of physician and staff performance, and how that information is used for the benefit of the institution and the patient it serves.

Sincerely yours,

RuthAnn Frey

RuthAnn Frey, R.N.
Director, Quality Review

kam

Virginia

ALEXANDRIA HOSPITAL

4320 Seminary Rd
Alexandria, VA 22304

Medicare Provider Number: 490040

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,368	7.4	9.2	0.6	11.8	14.2	0.8	15.4	18.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	52	30.8	29.4	8.4	36.5	32.7	9.4	38.5	36.1	9.0
Congestive Heart Failure	122	9.0	17.2	5.4	16.4	26.5	5.9	26.2	33.9	5.4
Pneumonia/Influenza	82	18.3	17.9	4.5	24.4	24.0	4.8	25.6	28.9	5.8
Chronic Obstructive Pulmonary Disease	33	9.1	10.8	*	18.2	17.4	*	21.2	22.5	*
Transient Cerebral Ischemia	37	0.0	2.1	*	8.1	4.8	*	8.1	7.7	*
Stroke	73	11.0	23.8	6.9	17.8	29.7	7.0	20.5	34.1	7.6
Hip Fracture	66	1.5	7.2	4.7	6.1	12.7	6.2	10.6	16.3	6.0
Sepsis	38	31.6	29.0	*	44.7	37.8	*	47.4	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	8	0.0	4.2	*	0.0	5.3	*	0.0	6.2	*
Initial Pacemaker Insertion	6	0.0	2.1	*	0.0	4.0	*	0.0	5.5	*
Carotid Endarterectomy	10	0.0	1.3	*	0.0	2.5	*	0.0	3.8	*
Hip Replacement/Reconstruction	36	2.8	4.5	*	5.6	8.4	*	5.6	11.2	*
Open Reduction of Hip Fracture	27	0.0	6.2	*	3.7	11.4	*	7.4	14.9	*
Prostatectomy	65	3.1	1.1	2.2	3.1	2.5	2.8	4.6	4.2	3.2
Cholecystectomy	27	3.7	2.2	*	7.4	3.9	*	7.4	5.2	*
Hysterectomy	20	0.0	1.1	*	0.0	2.3	*	5.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	368
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	316
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	0
Registered Nurses	415
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ALEXANDRIA HOSPITAL

Medicare Provider Number: 490040

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,358	6.8	8.8	0.9	11.8	13.6	1.0	14.8	17.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	52	19.2	29.3	10.1	23.1	32.2	11.0	23.1	35.5	11.3
Congestive Heart Failure	115	8.7	15.5	4.6	16.5	23.9	5.1	21.7	30.8	6.0
Pneumonia/Influenza	80	16.2	17.5	6.1	20.0	23.5	8.5	22.5	28.1	10.5
Chronic Obstructive Pulmonary Disease	21	4.8	7.7	*	4.8	14.1	*	4.8	19.4	*
Transient Cerebral Ischemia	45	0.0	2.0	*	4.4	4.2	*	4.4	6.6	*
Stroke	76	13.2	23.6	6.9	27.6	30.4	6.9	31.6	35.1	6.8
Hip Fracture	62	1.6	6.5	6.2	12.9	11.9	4.4	14.5	15.5	6.0
Sepsis	23	21.7	30.1	*	30.4	39.1	*	34.8	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.9	*	0.0	8.9	*	0.0	12.5	*
Carotid Endarterectomy	9	0.0	1.6	*	11.1	3.2	*	11.1	4.8	*
Hip Replacement/Reconstruction	33	0.0	5.1	*	9.1	9.3	*	9.1	12.4	*
Open Reduction of Hip Fracture	38	2.6	5.3	*	13.2	10.3	*	13.2	14.0	*
Prostatectomy	57	0.0	1.3	1.9	1.8	3.1	2.6	3.5	5.1	3.2
Cholecystectomy	32	6.3	3.2	*	9.4	5.9	*	9.4	7.6	*
Hysterectomy	19	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,039	6.8	8.1	0.8	10.5	12.8	1.1	14.1	16.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	56	19.6	26.2	7.2	23.2	29.3	7.8	25.0	32.7	7.8
Congestive Heart Failure	113	8.8	16.4	5.6	15.9	24.8	6.5	23.9	31.9	6.9
Pneumonia/Influenza	54	11.1	15.1	5.7	13.0	20.3	7.8	14.8	24.8	9.8
Chronic Obstructive Pulmonary Disease	34	17.6	9.5	*	17.6	16.3	*	29.4	21.5	*
Transient Cerebral Ischemia	45	0.0	2.4	*	2.2	5.2	*	6.7	8.3	*
Stroke	83	15.7	20.0	6.1	24.1	26.3	5.5	28.9	30.6	5.3
Hip Fracture	41	0.0	5.5	*	2.4	10.0	*	4.9	13.1	*
Sepsis	16	18.8	28.1	*	37.5	37.3	*	50.0	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.5	*	0.0	5.3	*	0.0	7.9	*
Carotid Endarterectomy	7	0.0	1.7	*	14.3	3.2	*	14.3	4.7	*
Hip Replacement/Reconstruction	30	0.0	3.1	*	0.0	6.0	*	3.3	8.1	*
Open Reduction of Hip Fracture	17	0.0	4.8	*	5.9	9.3	*	5.9	12.5	*
Prostatectomy	60	0.0	1.0	1.5	0.0	2.3	2.7	1.7	3.8	3.1
Cholecystectomy	18	0.0	3.2	*	0.0	5.9	*	0.0	8.0	*
Hysterectomy	17	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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ALEXANDRIA
HOSPITAL

4320 Seminary Road
Alexandria VA 22304
(703) 379-3000

January 7, 1991

Health Care Financing Administration
Health Standards & Quality Bureau
Gail R. Wilensky, Administrator
6325 Security Blvd.
Baltimore, MD 21207

Dear Ms. Wilensky,

In response to recent release of hospital mortality data from the Health Care Financing Administration, we recognize and appreciate the improved format and quality of reporting. From a clinical perspective, the data is more meaningful and helpful than in years past.

In reviewing the information provided to Alexandria Hospital by your organization, we found no major discrepancies (see attachment for minor adjustments).

Alexandria Hospital continues in our pursuit of improved quality measures. The primary vehicle for maintaining quality care in all departments is concurrent review of every patient within 24 hours of admission. This is where our quality process begins.

Fifteen medical review subcommittees meet monthly for retrospective review of each patient case which does not meet medical staff standards for Quality. Physicians from different specialty areas look at such things as the appropriateness of services received, morbidity and mortality rates and infection control. In addition, core study groups meet regularly to discuss ways to enhance patient care and efficiency in all areas of the Hospital.

We hope that the process for reporting patient mortality information will continue to evolve to reflect reliable data for all our use.

Sincerely,

J. Edward Sweet, Jr.

J. Edward Sweet, Jr.
President

Attachment

Subsidiary of Alexandria Health Services Corporation
Member of Voluntary Hospitals of America, Inc.
Affiliate of Medlantic Healthcare Group

ALLEGHENY HOSPITAL

Interstate 64
Clifton Forge, VA 24422

Medicare Provider Number: 490126

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,770	7.3	7.9	0.8	12.1	12.4	0.9	15.4	16.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	57	17.5	27.5	12.3	24.6	30.6	12.0	26.3	33.9	10.4
Congestive Heart Failure	85	17.6	15.6	4.4	28.2	24.2	5.9	34.1	31.0	5.9
Pneumonia/Influenza	55	5.5	15.9	6.8	9.1	22.7	8.0	18.2	27.6	7.3
Chronic Obstructive Pulmonary Disease	20	10.0	4.9	*	10.0	9.6	*	10.0	14.1	*
Transient Cerebral Ischemia	18	0.0	1.4	*	0.0	3.0	*	0.0	4.8	*
Stroke	68	14.7	19.4	8.2	20.6	26.6	11.5	25.0	31.1	11.1
Hip Fracture	37	0.0	5.2	*	13.5	9.7	*	18.9	12.9	*
Sepsis	8	0.0	14.8	*	12.5	20.6	*	37.5	24.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	3.8	*	15.4	7.8	*	15.4	11.4	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	27	0.0	2.3	*	3.7	4.7	*	7.4	6.6	*
Open Reduction of Hip Fracture	16	0.0	5.9	*	12.5	11.2	*	18.8	15.0	*
Prostatectomy	32	0.0	0.9	*	6.3	2.2	*	6.3	3.7	*
Cholecystectomy	32	3.1	2.9	*	6.3	4.8	*	6.3	6.2	*
Hysterectomy	3	0.0	3.3	*	0.0	7.2	*	0.0	10.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	204
Occupancy Rate	52
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	41
Percent of Physicians Board Certified Specialists	95
Medical Residents/Interns	9
Registered Nurses	168
Licensed Practical Nurses	2

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ALLEGHENY HOSPITAL

Medicare Provider Number: 490126

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,807	6.5	8.1	0.8	10.8	12.4	1.2	13.3	15.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	43	20.9	31.2	*	27.9	34.6	*	34.9	38.1	*
Congestive Heart Failure	86	14.0	14.8	4.3	23.3	22.9	6.1	27.9	29.8	5.4
Pneumonia/Influenza	58	15.5	16.5	4.9	19.0	22.2	6.8	20.7	26.7	9.6
Chronic Obstructive Pulmonary Disease	35	0.0	6.1	*	2.9	11.0	*	2.9	15.5	*
Transient Cerebral Ischemia	19	0.0	1.6	*	0.0	3.6	*	0.0	5.7	*
Stroke	79	22.8	19.3	5.4	26.6	26.6	5.4	29.1	31.3	7.0
Hip Fracture	33	0.0	7.0	*	9.1	12.4	*	15.2	15.7	*
Sepsis	8	12.5	29.8	*	12.5	37.1	*	12.5	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	5.4	*	13.0	8.8	*	17.4	11.9	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	20	0.0	2.8	*	0.0	5.5	*	0.0	7.3	*
Open Reduction of Hip Fracture	19	0.0	6.5	*	10.5	11.7	*	15.8	14.9	*
Prostatectomy	32	0.0	1.0	*	3.1	2.4	*	6.3	4.0	*
Cholecystectomy	42	0.0	2.1	*	0.0	3.8	*	0.0	4.8	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,698	7.5	8.5	1.0	11.7	12.8	1.3	14.8	16.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	62	27.4	32.1	7.8	32.3	35.8	8.2	35.5	39.4	7.9
Congestive Heart Failure	95	17.9	15.5	5.7	29.5	23.5	7.1	32.6	30.0	5.2
Pneumonia/Influenza	52	17.3	14.8	8.2	21.2	20.2	8.1	26.9	24.6	7.6
Chronic Obstructive Pulmonary Disease	41	9.8	7.6	*	14.6	13.6	*	24.4	18.5	*
Transient Cerebral Ischemia	34	0.0	1.8	*	5.9	3.8	*	8.8	6.1	*
Stroke	58	12.1	21.1	7.0	17.2	28.5	8.1	25.9	33.2	7.4
Hip Fracture	36	5.6	7.0	*	11.1	12.2	*	16.7	15.5	*
Sepsis	14	35.7	31.2	*	42.9	40.3	*	42.9	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	11.1	5.0	*	11.1	9.2	*	14.8	12.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	0.0	3.8	*	0.0	6.9	*	4.8	9.0	*
Open Reduction of Hip Fracture	16	12.5	7.6	*	18.8	13.8	*	25.0	17.6	*
Prostatectomy	41	2.4	1.4	*	7.3	3.4	*	7.3	5.8	*
Cholecystectomy	26	0.0	3.9	*	7.7	6.9	*	7.7	8.9	*
Hysterectomy	12	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ARLINGTON HOSPITAL

1701 N George Mason Dr
Arlington, VA 22304

Medicare Provider Number: 490050

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,356	9.0	9.3	0.6	14.3	14.3	0.8	18.3	18.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	54	25.9	26.8	6.2	27.8	30.0	6.6	27.8	33.3	8.5
Congestive Heart Failure	105	18.1	16.1	4.0	22.9	24.7	4.6	29.5	31.7	5.4
Pneumonia/Influenza	78	11.5	16.1	7.0	17.9	21.8	7.2	23.1	26.3	6.9
Chronic Obstructive Pulmonary Disease	28	10.7	8.6	*	25.0	14.5	*	28.6	19.6	*
Transient Cerebral Ischemia	31	0.0	1.5	*	0.0	3.2	*	0.0	5.1	*
Stroke	102	23.5	22.6	4.7	32.4	29.5	5.1	33.3	34.1	4.9
Hip Fracture	72	2.8	6.4	4.6	6.9	11.4	6.0	12.5	14.8	5.1
Sepsis	38	23.7	28.5	*	36.8	37.7	*	42.1	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	2.6	*	0.0	5.6	*	12.5	8.7	*
Carotid Endarterectomy	5	0.0	1.1	*	0.0	1.8	*	0.0	2.7	*
Hip Replacement/Reconstruction	55	1.8	3.1	3.2	5.5	5.6	4.5	10.9	7.5	4.9
Open Reduction of Hip Fracture	38	2.6	5.6	*	5.3	10.4	*	7.9	13.6	*
Prostatectomy	54	0.0	0.5	1.0	0.0	1.2	1.7	1.9	2.0	2.1
Cholecystectomy	52	5.8	2.7	5.4	7.7	4.5	6.8	9.6	5.7	6.6
Hysterectomy	39	2.6	0.3	*	2.6	0.6	*	5.1	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	389
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	368
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	22
Registered Nurses	373
Licensed Practical Nurses	40

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ARLINGTON HOSPITAL

Medicare Provider Number: 490050

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,320	8.3	9.2	0.9	13.7	14.3	0.8	17.7	18.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	55	25.5	24.6	6.7	27.3	28.0	7.5	32.7	31.5	8.0
Congestive Heart Failure	104	16.3	15.8	4.8	28.8	24.5	6.5	37.5	31.5	9.5
Pneumonia/Influenza	65	20.0	17.0	5.3	21.5	23.2	5.4	26.2	27.9	5.9
Chronic Obstructive Pulmonary Disease	35	8.6	7.4	*	8.6	12.5	*	11.4	17.1	*
Transient Cerebral Ischemia	41	2.4	2.4	*	4.9	5.4	*	7.3	8.5	*
Stroke	96	9.4	19.6	6.5	15.6	26.3	7.2	21.9	30.9	6.8
Hip Fracture	59	3.4	5.9	3.7	11.9	11.2	4.2	15.3	14.9	5.5
Sepsis	29	13.8	26.4	*	20.7	32.9	*	31.0	39.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.0	*	0.0	3.8	*	8.3	5.7	*
Carotid Endarterectomy	10	10.0	1.6	*	20.0	3.0	*	20.0	4.4	*
Hip Replacement/Reconstruction	54	3.7	2.7	3.4	11.1	5.4	5.8	11.1	7.4	6.7
Open Reduction of Hip Fracture	28	3.6	5.1	*	10.7	10.3	*	14.3	14.1	*
Prostatectomy	49	0.0	1.2	*	2.0	2.9	*	2.0	4.9	*
Cholecystectomy	36	2.8	2.8	*	2.8	5.0	*	2.8	6.6	*
Hysterectomy	28	3.6	0.8	*	3.6	1.6	*	7.1	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,082	7.8	8.2	0.6	11.9	12.9	0.9	15.5	16.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	55	30.9	29.4	6.3	30.9	33.0	6.6	30.9	36.5	8.5
Congestive Heart Failure	87	11.5	15.7	6.4	17.2	23.7	7.9	28.7	30.4	6.0
Pneumonia/Influenza	55	12.7	18.0	8.9	18.2	23.7	10.5	20.0	28.1	11.0
Chronic Obstructive Pulmonary Disease	23	8.7	10.4	*	13.0	17.1	*	17.4	22.5	*
Transient Cerebral Ischemia	39	2.6	2.0	*	2.6	4.4	*	2.6	7.0	*
Stroke	77	19.5	20.6	4.8	23.4	27.7	5.4	27.3	32.4	5.7
Hip Fracture	68	1.5	5.4	3.7	5.9	10.1	4.9	8.8	13.3	4.9
Sepsis	28	32.1	30.5	*	39.3	39.3	*	57.1	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.5	*	0.0	5.2	*	7.1	7.7	*
Carotid Endarterectomy	6	0.0	1.5	*	0.0	2.7	*	16.7	3.9	*
Hip Replacement/Reconstruction	54	1.9	2.7	2.4	5.6	5.1	3.0	7.4	6.9	4.7
Open Reduction of Hip Fracture	38	0.0	4.7	*	2.6	9.3	*	5.3	12.7	*
Prostatectomy	50	0.0	0.8	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	18	0.0	4.8	*	0.0	6.4	*	0.0	7.3	*
Hysterectomy	30	0.0	0.7	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

153.1

THE ARLINGTON HOSPITAL
1701 NORTH GEORGE MASON DRIVE • ARLINGTON, VIRGINIA 22205 • 703/558-5000

January 7, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadow East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare Provider 490050

Dear Mrs. Kappert:

The Arlington Hospital supports the concept of a well-informed public and appreciates the opportunity to help ensure the accuracy of the data to be released.

Of concern however is the limited value of counting the number of Medicare deaths and attempting to determine quality from these statistics. These data do not reflect complicated co-morbidity of patients or the condition of the patient on admission. Mortality review is an integral part of The Arlington Hospital's internal quality assurance program. Each death is reviewed by a group of physicians in the relevant specialty. This is part of the peer review process where review usually confirms that care was appropriate, even though death resulted.

It is important to note that mortality review is only one small part of a much larger quality assurance effort. Included in our comprehensive program are tissue review, surgical indications monitoring, pharmacy and therapeutics monitoring, medical records evaluation, blood use monitoring, infection surveillance, screening for unexpected clinical occurrences, review of the utilization of hospital ancillary and clinical support services, analysis of and response to surveys, assessments and inspections by external accreditation, licensing, regulatory and reimbursement authorities, surveillance of equipment maintenance programs, and continuing education based on demonstrated need.

This type of review covers all services and includes inpatient as well as outpatient care. Information is gathered on an ongoing basis. We systematically draw conclusions from the data gathered, make recommendations, take action and follow up on the success of that action. The results of our quality assurance activity are used in the renewal of medical staff privileges.

We would like to make a few clarifications regarding the information to be released. It is important to realize that the mortality data is for Medicare patients only and does not reflect the hospital's overall mortality rate. The mortality rate for all patients in the time frame October 1, 1988, to September 10, 1989, was 2.4%. In addition, because of the new categories, the mortality rate for a procedure and a condition can easily be double counted (it will not however be double counted for "all causes").

The predicted ranges were tested at the 95% confidence level, and we found that in all cases any differences between observed and predicted mortality are likely to be the result of random variation.

It is most important to note that, because cases were chosen randomly and the last admission to the hospital was not necessarily the one reviewed, there is room for a great deal of confusion. Sixty-two of the patients included in our data died after 180 days, some as long as 16 months after admission. In one case a patient was admitted for a hysterectomy and discharged in four days. Four months later the patient was admitted to a different hospital with a diagnosis of massive stroke and seizures. She was discharged to a nursing home where after 13 days she suffered cardiac arrest. She came to our Emergency Department Dead on Arrival and is counted in our hysterectomy mortality data. There were numerous instances where the condition or procedure listed was not the cause of death.

The Medical Society of Virginia Review Organization regularly reviews a sample of our Medicare cases and in fact reviewed most of the cases in this study. Medical care at The Arlington Hospital was found to be appropriate in all of these cases. Based on this and the results of our overall quality assurance program, we are confident that The Arlington Hospital provides quality care to our patients.

Sincerely,

James Rieder
President/CEO
The Arlington Hospital

AUGUSTA HOSPITAL CORPORATION

501 Oak Ave
Waynesboro, VA 22980

Medicare Provider Number: 490018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,219	8.9	8.1	0.8	13.0	12.0	1.0	16.7	15.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	61	37.7	31.9	9.1	42.6	35.3	10.5	44.3	39.2	11.9
Congestive Heart Failure	86	17.4	13.7	5.7	25.6	21.6	6.7	36.0	28.3	8.8
Pneumonia/Influenza	63	14.3	13.5	5.8	22.2	18.6	7.7	27.0	22.9	7.8
Chronic Obstructive Pulmonary Disease	19	5.3	3.2	*	5.3	6.5	*	10.5	9.7	*
Transient Cerebral Ischemia	27	0.0	1.8	*	3.7	4.1	*	3.7	6.9	*
Stroke	50	16.0	18.9	*	22.0	25.6	*	30.0	30.4	*
Hip Fracture	34	8.8	4.0	*	8.8	7.5	*	17.6	10.0	*
Sepsis	8	37.5	36.1	*	50.0	43.3	*	50.0	48.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	0.9	*	0.0	2.2	*	0.0	3.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	33	6.1	1.6	*	6.1	3.1	*	9.1	4.2	*
Open Reduction of Hip Fracture	2	0.0	2.7	*	0.0	5.3	*	0.0	7.2	*
Prostatectomy	29	0.0	0.3	*	0.0	0.8	*	0.0	1.3	*
Cholecystectomy	35	0.0	2.0	*	0.0	3.9	*	2.9	5.6	*
Hysterectomy	9	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	131
Occupancy Rate	53
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	54
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	95
Licensed Practical Nurses	46

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

AUGUSTA HOSPITAL CORPORATION

Medicare Provider Number: 490018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,246	9.8	8.3	1.1	13.9	12.3	1.1	16.6	15.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	67	29.9	28.5	5.7	31.3	31.6	5.8	32.8	35.0	6.8
Congestive Heart Failure	109	10.1	14.4	6.5	16.5	21.8	8.2	25.7	28.2	6.9
Pneumonia/Influenza	64	26.6	13.8	6.6	31.3	18.7	6.7	34.4	22.8	7.0
Chronic Obstructive Pulmonary Disease	19	5.3	6.6	*	10.5	12.8	*	10.5	18.7	*
Transient Cerebral Ischemia	13	7.7	1.3	*	23.1	3.0	*	23.1	5.0	*
Stroke	50	24.0	21.0	*	32.0	28.0	*	34.0	32.9	*
Hip Fracture	30	3.3	5.6	*	3.3	10.2	*	10.0	13.3	*
Sepsis	15	40.0	22.2	*	46.7	28.6	*	46.7	34.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	22.2	7.4	*	22.2	10.4	*	22.2	13.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	26	3.8	2.7	*	3.8	5.1	*	11.5	6.8	*
Open Reduction of Hip Fracture	0									
Prostatectomy	32	9.4	0.8	*	12.5	2.1	*	18.8	3.6	*
Cholecystectomy	21	4.8	2.4	*	9.5	5.1	*	14.3	7.6	*
Hysterectomy	2	0.0	2.3	*	0.0	5.3	*	0.0	8.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,239	9.6	7.2	0.9	13.4	11.0	1.1	15.5	14.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	54	33.3	28.3	6.5	35.2	32.0	6.5	37.0	35.7	6.6
Congestive Heart Failure	84	19.0	13.1	5.4	25.0	20.5	5.2	27.4	26.9	4.8
Pneumonia/Influenza	44	18.2	14.1	*	18.2	19.3	*	22.7	23.7	*
Chronic Obstructive Pulmonary Disease	17	0.0	3.8	*	0.0	7.5	*	5.9	11.2	*
Transient Cerebral Ischemia	16	0.0	1.3	*	0.0	2.9	*	6.3	4.7	*
Stroke	53	26.4	16.8	9.0	35.8	22.8	10.4	41.5	27.2	11.0
Hip Fracture	29	6.9	6.1	*	13.8	11.4	*	13.8	15.0	*
Sepsis	13	30.8	22.9	*	30.8	29.9	*	30.8	35.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	2.4	*	12.5	5.4	*	12.5	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	35	5.7	4.3	*	14.3	8.3	*	14.3	11.2	*
Open Reduction of Hip Fracture	1	0.0	10.5	*	0.0	19.1	*	0.0	24.0	*
Prostatectomy	28	3.6	0.7	*	3.6	1.7	*	3.6	3.0	*
Cholecystectomy	30	6.7	2.1	*	10.0	4.2	*	10.0	5.7	*
Hysterectomy	4	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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AHC AUGUSTA HOSPITAL

KING'S DAUGHTERS' HOSPITAL
1410 N. Augusta Street, Staunton, Virginia 24401
703/887-2000

WAYNESBORO COMMUNITY HOSPITAL
501 Oak Avenue, Waynesboro, Virginia 2298
703/942-2273

FAX number (301)966-6730.

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert:

Please include the following comments in the Medicare Hospital Mortality Information publication.

"Before we attempt to comment on the implications or validity of these data, we feel we need to gain more insight into the new methodology and also the results obtained with other patient populations. We will look forward to attending one of the information and training sessions mentioned in your December 6 letter of transmittal."

Sincerely,

Janet P. Mangun

Janet P. Mangun
Manager, QA/UR/RM

/pm

BATH COUNTY COMMUNITY HOSPITAL

Drawer Z
Hot Springs, VA 24445

Medicare Provider Number: 490099

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	168	9.5	10.3	2.5	13.7	15.4	3.2	16.7	19.2	3.8
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	26.0	*	0.0	28.3	*	0.0	31.2	*
Congestive Heart Failure	10	20.0	17.0	*	30.0	26.6	*	30.0	33.9	*
Pneumonia/Influenza	37	18.9	19.1	*	27.0	26.6	*	29.7	31.9	*
Chronic Obstructive Pulmonary Disease	3	33.3	7.9	*	33.3	12.1	*	33.3	16.2	*
Transient Cerebral Ischemia	2	0.0	1.3	*	0.0	2.8	*	0.0	4.3	*
Stroke	4	25.0	22.8	*	25.0	30.2	*	25.0	35.2	*
Hip Fracture	1	0.0	5.2	*	0.0	10.3	*	0.0	14.2	*
Sepsis	1	0.0	29.1	*	0.0	40.1	*	0.0	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	0.7	*	0.0	1.5	*	0.0	2.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	25
Occupancy Rate	36
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	6
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	15
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BATH COUNTY COMMUNITY HOSPITAL

Medicare Provider Number: 490099

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	144	9.0	11.5	4.9	13.2	16.9	5.2	19.4	21.1	4.6
CONDITIONS:										
Acute Myocardial Infarction	3	66.7	20.8	*	66.7	25.0	*	66.7	29.8	*
Congestive Heart Failure	12	16.7	16.7	*	16.7	25.0	*	41.7	31.5	*
Pneumonia/Influenza	37	10.8	14.0	*	16.2	19.0	*	18.9	23.0	*
Chronic Obstructive Pulmonary Disease	4	0.0	10.3	*	25.0	18.2	*	25.0	25.2	*
Transient Cerebral Ischemia	2	0.0	1.8	*	0.0	3.9	*	0.0	6.1	*
Stroke	1	100.0	39.3	*	100.0	56.5	*	100.0	66.6	*
Hip Fracture	0									
Sepsis	4	0.0	21.3	*	0.0	28.0	*	25.0	33.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	186	8.1	10.9	2.6	10.2	15.9	3.6	13.4	20.0	4.1
CONDITIONS:										
Acute Myocardial Infarction	5	0.0	27.0	*	0.0	30.3	*	20.0	34.3	*
Congestive Heart Failure	8	0.0	15.1	*	0.0	25.5	*	0.0	33.9	*
Pneumonia/Influenza	20	5.0	16.3	*	10.0	23.3	*	15.0	28.7	*
Chronic Obstructive Pulmonary Disease	3	33.3	3.9	*	33.3	7.7	*	33.3	11.4	*
Transient Cerebral Ischemia	4	0.0	1.7	*	0.0	3.8	*	0.0	6.1	*
Stroke	6	33.3	21.6	*	33.3	27.2	*	33.3	31.5	*
Hip Fracture	0									
Sepsis	5	0.0	34.6	*	20.0	41.2	*	20.0	48.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BEDFORD COUNTY MEMORIAL HOSPITAL

Oakwood St
Bedford, VA 24523

Medicare Provider Number: 490088

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	520	11.5	9.7	1.7	17.5	14.5	2.2	21.5	18.3	2.6
CONDITIONS:										
Acute Myocardial Infarction	22	22.7	22.7	*	40.9	26.3	*	45.5	29.9	*
Congestive Heart Failure	37	13.5	14.2	*	18.9	22.0	*	27.0	28.5	*
Pneumonia/Influenza	30	23.3	19.8	*	26.7	27.0	*	33.3	32.5	*
Chronic Obstructive Pulmonary Disease	7	14.3	8.1	*	14.3	14.0	*	28.6	19.5	*
Transient Cerebral Ischemia	9	0.0	2.4	*	0.0	5.5	*	11.1	9.0	*
Stroke	29	27.6	19.2	*	37.9	26.5	*	41.4	31.1	*
Hip Fracture	28	7.1	6.4	*	21.4	11.9	*	25.0	15.8	*
Sepsis	7	14.3	30.4	*	14.3	36.9	*	14.3	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	6.4	*	11.1	12.4	*	11.1	16.6	*
Open Reduction of Hip Fracture	14	7.1	5.8	*	21.4	11.3	*	28.6	15.3	*
Prostatectomy	0									
Cholecystectomy	8	0.0	1.4	*	0.0	2.6	*	0.0	3.5	*
Hysterectomy	4	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	166
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	17
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	48
Licensed Practical Nurses	36

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BEDFORD COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 490088

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	544	15.8	11.5	1.7	20.0	16.7	1.8	22.6	20.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	30	40.0	26.2	*	46.7	30.4	*	46.7	34.3	*
Congestive Heart Failure	27	29.6	19.7	*	37.0	29.8	*	37.0	37.6	*
Pneumonia/Influenza	27	18.5	18.0	*	18.5	24.0	*	25.9	28.5	*
Chronic Obstructive Pulmonary Disease	5	20.0	8.4	*	40.0	14.5	*	60.0	19.9	*
Transient Cerebral Ischemia	7	0.0	2.8	*	0.0	6.6	*	0.0	10.5	*
Stroke	35	34.3	21.6	*	40.0	29.2	*	42.9	34.1	*
Hip Fracture	19	5.3	6.8	*	5.3	12.8	*	5.3	16.7	*
Sepsis	11	36.4	34.2	*	36.4	40.2	*	54.5	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	4.4	*	0.0	8.8	*	0.0	11.7	*
Open Reduction of Hip Fracture	8	12.5	5.6	*	12.5	11.0	*	12.5	14.9	*
Prostatectomy	0									
Cholecystectomy	4	0.0	2.0	*	0.0	3.8	*	0.0	4.7	*
Hysterectomy	8	0.0	1.7	*	0.0	3.7	*	0.0	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	520	12.9	11.2	1.8	18.7	16.5	2.0	23.5	20.7	2.3
CONDITIONS:										
Acute Myocardial Infarction	32	21.9	26.7	*	21.9	30.3	*	25.0	33.8	*
Congestive Heart Failure	28	21.4	16.3	*	25.0	24.4	*	32.1	31.3	*
Pneumonia/Influenza	27	14.8	15.6	*	29.6	21.6	*	29.6	26.2	*
Chronic Obstructive Pulmonary Disease	12	0.0	6.8	*	8.3	12.8	*	16.7	18.2	*
Transient Cerebral Ischemia	10	0.0	1.7	*	0.0	3.6	*	0.0	5.8	*
Stroke	33	18.2	23.6	*	24.2	30.8	*	36.4	35.9	*
Hip Fracture	14	21.4	6.6	*	21.4	12.6	*	28.6	16.6	*
Sepsis	2	0.0	42.2	*	0.0	49.2	*	0.0	57.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	8.8	*	33.3	16.4	*	33.3	21.1	*
Open Reduction of Hip Fracture	10	10.0	5.2	*	10.0	10.6	*	20.0	14.7	*
Prostatectomy	0									
Cholecystectomy	6	16.7	2.6	*	16.7	4.7	*	16.7	5.9	*
Hysterectomy	6	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BUCHANAN GENERAL HOSPITAL

Route 5 Box 20
Grundy, VA 24614

Medicare Provider Number: 490127

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	716	4.7	6.9	1.3	7.4	10.4	1.7	11.0	13.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	25	16.0	17.7	*	16.0	20.5	*	16.0	23.5	*
Congestive Heart Failure	43	7.0	12.8	*	11.6	20.4	*	16.3	26.7	*
Pneumonia/Influenza	56	10.7	14.1	6.1	16.1	19.2	8.0	19.6	23.3	8.4
Chronic Obstructive Pulmonary Disease	48	0.0	3.0	*	0.0	5.9	*	2.1	8.7	*
Transient Cerebral Ischemia	18	0.0	1.5	*	0.0	3.2	*	0.0	5.1	*
Stroke	16	31.3	19.6	*	37.5	25.8	*	43.8	30.1	*
Hip Fracture	4	0.0	4.8	*	0.0	8.0	*	0.0	10.3	*
Sepsis	3	0.0	31.3	*	33.3	45.1	*	33.3	51.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	4.3	*	0.0	6.4	*	0.0	7.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.3	*	0.0	6.5	*	0.0	8.7	*
Open Reduction of Hip Fracture	1	0.0	5.5	*	0.0	8.5	*	0.0	10.4	*
Prostatectomy	20	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*
Cholecystectomy	14	0.0	1.5	*	0.0	2.5	*	7.1	3.4	*
Hysterectomy	1	0.0	2.4	*	0.0	4.9	*	0.0	6.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	194
Occupancy Rate	37
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	17
Percent of Physicians Board Certified Specialists	41
Medical Residents/Interns	0
Registered Nurses	95
Licensed Practical Nurses	44

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BUCHANAN GENERAL HOSPITAL

Medicare Provider Number: 490127

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	942	5.7	6.9	1.3	9.3	10.6	1.3	12.2	13.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	37	29.7	22.0	*	37.8	25.1	*	40.5	28.2	*
Congestive Heart Failure	31	19.4	14.0	*	19.4	22.5	*	41.9	29.5	*
Pneumonia/Influenza	75	5.3	13.8	5.4	13.3	19.2	6.0	13.3	23.6	6.7
Chronic Obstructive Pulmonary Disease	63	0.0	3.2	3.8	3.2	6.5	4.2	4.8	9.3	5.3
Transient Cerebral Ischemia	32	3.1	1.9	*	3.1	4.0	*	3.1	6.4	*
Stroke	16	18.8	17.9	*	31.3	26.1	*	43.8	31.3	*
Hip Fracture	9	11.1	5.4	*	11.1	9.7	*	11.1	12.4	*
Sepsis	6	0.0	24.2	*	50.0	32.9	*	50.0	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.6	*	0.0	3.0	*	0.0	4.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	5.6	*	40.0	11.2	*	40.0	15.4	*
Open Reduction of Hip Fracture	2	0.0	2.7	*	0.0	5.5	*	0.0	7.5	*
Prostatectomy	21	4.8	1.2	*	4.8	2.8	*	4.8	4.5	*
Cholecystectomy	19	10.5	2.0	*	10.5	3.9	*	10.5	5.6	*
Hysterectomy	0									

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,079	5.3	7.3	1.1	8.4	11.1	1.4	11.2	14.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	49	24.5	24.5	*	28.6	28.4	*	34.7	31.8	*
Congestive Heart Failure	36	8.3	14.5	*	11.1	22.4	*	13.9	29.2	*
Pneumonia/Influenza	101	8.9	15.0	7.9	15.8	20.3	8.5	18.8	24.4	8.8
Chronic Obstructive Pulmonary Disease	29	3.4	3.8	*	6.9	7.9	*	10.3	11.9	*
Transient Cerebral Ischemia	52	1.9	2.0	2.0	1.9	4.4	3.4	1.9	7.0	5.5
Stroke	28	7.1	21.1	*	10.7	28.0	*	14.3	32.7	*
Hip Fracture	7	0.0	4.6	*	0.0	8.8	*	0.0	11.9	*
Sepsis	6	33.3	24.9	*	33.3	31.9	*	50.0	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.3	*	0.0	8.7	*	0.0	11.8	*
Open Reduction of Hip Fracture	3	0.0	5.3	*	0.0	10.6	*	0.0	14.7	*
Prostatectomy	28	0.0	0.5	*	0.0	1.1	*	0.0	2.0	*
Cholecystectomy	15	0.0	1.5	*	6.7	2.8	*	6.7	3.7	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CENTRAL VIRGINIA TRAINING CENTER

P O Box 1098
Lynchburg, VA 24504

Medicare Provider Number: 490108

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	188	5.3	3.6	2.1	6.9	5.5	3.0	9.0	7.2	3.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	2	50.0	17.1	*	100.0	27.0	*	100.0	34.4	*
Pneumonia/Influenza	17	5.9	5.9	*	5.9	8.5	*	11.8	10.7	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	1,465
Occupancy Rate	84
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	12
Percent of Physicians Board Certified Specialists	42
Medical Residents/Interns	0
Registered Nurses	94
Licensed Practical Nurses	34

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

CENTRAL VIRGINIA TRAINING CENTER

Medicare Provider Number: 490108

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	175	1.7	3.3	1.6	5.1	5.3	2.3	6.3	6.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	9.9	*	0.0	15.5	*	0.0	20.8	*
Pneumonia/Influenza	12	0.0	4.4	*	8.3	6.3	*	8.3	8.2	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.5	*	100.0	9.7	*	100.0	14.7	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	1	0.0	1.3	*	0.0	2.5	*	0.0	3.5	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	167	3.6	3.5	1.4	6.0	5.5	1.8	7.2	7.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	14.7	*	100.0	16.8	*	100.0	19.3	*
Congestive Heart Failure	0									
Pneumonia/Influenza	21	9.5	5.8	*	9.5	8.0	*	9.5	10.2	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	28.9	*	0.0	38.2	*	0.0	44.1	*
Hip Fracture	2	0.0	1.3	*	0.0	2.5	*	0.0	3.5	*
Sepsis	1	0.0	34.3	*	0.0	39.6	*	0.0	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	0.7	*	0.0	1.2	*	0.0	1.6	*
Hysterectomy	1	0.0	0.0	*	0.0	0.0	*	0.0	0.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Provider #49-0108

COMMONWEALTH of VIRGINIA
DEPARTMENT OF
MENTAL HEALTH, MENTAL RETARDATION AND SUBSTANCE ABUSE SERVICES

B. R. WALKER, Ph.D.
Director

VOICE/TDD (804) 947-2336
FAX (804) 947-2140

CENTRAL VIRGINIA TRAINING CENTER

P.O. BOX 1098
LYNCHBURG, VIRGINIA 24505
804-947-6000

January 8, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2 D 2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

The following are comments regarding Medicare Hospital Mortality Information for Central Virginia Training Center (FY 1989):

(1) The information included for FY 1989 includes mortality information for a longer time period post-admission (30, 90, 180 days) than all previous publications (30 days post-admission).

(2) The average age of (Medicare) patient death was sixty-three years old.

(3) Due to the small number of deaths for the Training Center in particular categories, there was no standard deviation assigned as it would be questionable. This standard deviation would need to be present to interpret how meaningful the difference between observed and predicted rates would be.

(4) The Training Center had no cases of deaths in FY 1989 due to the nine identified procedures. However, in-patient surgery is no longer performed here.

(5) Of 188 Medicare admissions/discharges there were only 17 deaths reported for all causes by 180 days post-admission. Although at 30, 90, and 180 days the observed rate was greater than the predicted rate, the difference was less than the standard deviation assigned in each category.

(6) Of the eight identified conditions only two categories had deaths recorded--congestive heart failure and pneumonia/influenza. The congestive heart failure observed rate was greater than the predicted rate at 30, 90, and 180 days; however, no standard deviation was given due to the small number of cases (two). In the pneumonia/influenza category the observed and predicted rates were equal at 30 days; observed was less than predicted at 90 days; observed was greater than predicted at 180 days. Once again, no standard deviation was given due to the number of cases (seventeen).

/ebb

Helen L Hardy
Helen L. Hardy,
Medical Record Manager

CHESAPEAKE GENERAL HOSPITAL

736 Battlefield Blvd N
Chesapeake, VA 23320

Medicare Provider Number: 490120

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,976	10.1	9.5	1.0	15.4	14.4	1.2	18.8	18.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	66	25.8	24.9	5.6	31.8	28.3	6.7	36.4	31.6	7.1
Congestive Heart Failure	79	13.9	13.9	4.6	21.5	21.8	4.7	26.6	28.6	6.3
Pneumonia/Influenza	44	13.6	13.4	*	15.9	18.6	*	18.2	22.8	*
Chronic Obstructive Pulmonary Disease	58	12.1	8.7	4.9	19.0	15.3	6.4	20.7	20.9	7.6
Transient Cerebral Ischemia	33	0.0	1.4	*	0.0	3.0	*	0.0	4.7	*
Stroke	90	18.9	21.4	4.8	28.9	28.3	4.8	32.2	32.8	5.2
Hip Fracture	53	13.2	6.9	8.4	17.0	12.4	10.6	22.6	16.1	11.1
Sepsis	37	27.0	30.3	*	40.5	39.9	*	48.6	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.7	*	0.0	7.1	*	20.0	10.1	*
Carotid Endarterectomy	11	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	28	3.6	2.7	*	3.6	5.2	*	7.1	6.9	*
Open Reduction of Hip Fracture	29	17.2	6.1	*	20.7	11.5	*	20.7	15.2	*
Prostatectomy	51	2.0	1.6	1.9	5.9	3.8	3.3	7.8	6.3	4.9
Cholecystectomy	29	0.0	2.5	*	6.9	4.5	*	6.9	5.8	*
Hysterectomy	11	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	210
Occupancy Rate	78
Ownership/Control	District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians	219
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	0
Registered Nurses	291
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

CHESAPEAKE GENERAL HOSPITAL

Medicare Provider Number: 490120

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,854	9.3	9.4	0.8	13.9	14.3	0.9	17.6	18.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	62	29.0	27.8	6.7	37.1	31.3	8.4	40.3	34.9	8.9
Congestive Heart Failure	83	7.2	14.6	8.7	19.3	22.5	10.7	24.1	29.2	7.8
Pneumonia/Influenza	69	17.4	17.7	4.6	24.6	24.1	5.6	29.0	29.0	5.5
Chronic Obstructive Pulmonary Disease	50	10.0	8.6	*	14.0	15.3	*	18.0	21.1	*
Transient Cerebral Ischemia	27	0.0	1.8	*	0.0	3.9	*	0.0	6.0	*
Stroke	63	19.0	21.2	7.5	25.4	28.3	9.1	30.2	33.1	8.3
Hip Fracture	46	2.2	6.8	*	4.3	12.3	*	6.5	15.7	*
Sepsis	43	20.9	28.0	*	32.6	35.5	*	44.2	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.2	*	0.0	2.8	*	33.3	4.4	*
Carotid Endarterectomy	10	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	25	0.0	4.1	*	0.0	7.8	*	0.0	10.1	*
Open Reduction of Hip Fracture	30	3.3	5.9	*	6.7	11.1	*	10.0	14.5	*
Prostatectomy	54	0.0	1.8	2.5	1.9	3.9	3.9	3.7	6.0	4.9
Cholecystectomy	26	3.8	5.2	*	3.8	8.9	*	7.7	11.1	*
Hysterectomy	10	0.0	1.7	*	0.0	3.5	*	0.0	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,829	10.6	9.6	1.1	15.8	14.6	1.3	19.9	18.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	51	33.3	31.0	6.9	37.3	34.5	7.3	41.2	38.1	7.8
Congestive Heart Failure	100	22.0	17.4	5.4	29.0	25.9	5.1	37.0	33.0	5.8
Pneumonia/Influenza	49	10.2	15.1	*	14.3	20.3	*	24.5	24.6	*
Chronic Obstructive Pulmonary Disease	63	14.3	13.1	5.5	19.0	21.5	5.7	27.0	27.8	5.7
Transient Cerebral Ischemia	36	8.3	2.0	*	8.3	4.4	*	8.3	7.0	*
Stroke	81	27.2	20.0	7.6	29.6	26.6	6.3	32.1	31.0	5.3
Hip Fracture	36	5.6	6.0	*	11.1	11.2	*	13.9	14.7	*
Sepsis	52	32.7	30.0	8.7	44.2	38.4	7.5	55.8	45.0	9.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	5.1	*	8.3	8.9	*	16.7	11.9	*
Carotid Endarterectomy	10	20.0	1.6	*	20.0	3.0	*	30.0	4.4	*
Hip Replacement/Reconstruction	17	0.0	3.3	*	5.9	6.3	*	5.9	8.4	*
Open Reduction of Hip Fracture	20	5.0	5.4	*	10.0	10.6	*	15.0	14.3	*
Prostatectomy	55	0.0	2.5	3.0	1.8	5.2	4.1	3.6	8.0	5.2
Cholecystectomy	34	11.8	4.8	*	14.7	8.2	*	23.5	10.2	*
Hysterectomy	6	0.0	1.6	*	0.0	3.5	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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CHESAPEAKE
GENERAL HOSPITAL

January 11, 1991 Medicare Provider #490120

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to provide comments on the HCFA FY 1989 Medicare Mortality Data relevant to our hospital.

Chesapeake General Hospital has a JCAHO approved hospital-wide, systematic ongoing Quality Appraisal program in place. All hospital departments, members of the Medical Staff, and committees involved with the provision of patient care participate in these activities. Mortality review is one part of this process.

Since quality of care is always of utmost concern, patient-related data received from any source is incorporated into the hospital's Quality Appraisal program. I was pleased that an indepth analysis of this data revealed our predicted mortality rates were all well within one standard deviation and the upper bounds of the 75% prediction interval (Table 4). This means that, according to the methodology and explanations from HCFA, any statistical differences between our predicted and observed mortality rates are not of significance. I also noted that, in three categories/procedures, the numbers of cases were too small to permit meaningful interpretation of the data.

In evaluating the data, we were unable to identify any cases with Prostatectomy who died within 30 days of admission (from the HCFA detailed printout). We focused our efforts on reviewing data related to deaths within 30 days, since after discharge from the hospital there is no evidence regarding the circumstances in which post discharge deaths reflect inadequate patient care or discharge planning.

Your continued efforts to improve upon the methodologies used and interpretation of this data is greatly appreciated.

Sincerely,

Donald S. Buckley

Donald S. Buckley, FACHE
President

DSB/nc

COMMUNITY HOSPITAL OF ROANOKE VALLEY

101 Elm St SE
Roanoke, VA 24029

Medicare Provider Number: 490100

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,704	8.1	7.5	0.8	12.0	11.7	1.1	15.4	15.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	83	33.7	24.5	8.7	41.0	27.9	8.1	42.2	31.3	7.8
Congestive Heart Failure	128	15.6	14.3	3.8	24.2	22.7	3.9	29.7	29.6	4.1
Pneumonia/Influenza	112	17.0	14.9	5.7	25.0	20.4	5.7	26.8	24.9	5.6
Chronic Obstructive Pulmonary Disease	39	2.6	4.6	*	7.7	9.1	*	15.4	13.1	*
Transient Cerebral Ischemia	51	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Stroke	93	24.7	22.1	5.0	32.3	28.6	5.7	36.6	33.0	7.2
Hip Fracture	66	3.0	6.2	5.5	6.1	11.1	7.1	10.6	14.4	7.1
Sepsis	7	42.9	19.8	*	42.9	26.6	*	57.1	31.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	5.1	*	42.9	9.6	*	42.9	13.6	*
Carotid Endarterectomy	27	7.4	1.3	*	7.4	2.4	*	7.4	3.5	*
Hip Replacement/Reconstruction	75	0.0	3.2	3.6	0.0	5.9	6.0	2.7	8.0	5.4
Open Reduction of Hip Fracture	32	3.1	5.3	*	9.4	9.9	*	12.5	12.9	*
Prostatectomy	101	1.0	0.8	1.7	3.0	2.0	2.2	4.0	3.5	2.6
Cholecystectomy	64	3.1	3.3	3.2	4.7	6.2	3.4	9.4	8.1	3.7
Hysterectomy	33	0.0	1.1	*	0.0	2.1	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	314
Occupancy Rate	56
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	173
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	2
Registered Nurses	248
Licensed Practical Nurses	44

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

COMMUNITY HOSPITAL OF ROANOKE VALLEY

Medicare Provider Number: 490100

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,689	7.7	8.0	0.8	11.6	12.6	1.1	15.2	16.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	86	27.9	26.0	5.3	30.2	29.2	5.2	32.6	32.6	5.5
Congestive Heart Failure	124	21.0	15.8	4.2	28.2	24.1	4.4	37.1	30.8	5.9
Pneumonia/Influenza	95	14.7	16.5	6.3	18.9	22.1	5.0	24.2	26.5	5.1
Chronic Obstructive Pulmonary Disease	36	2.8	6.3	*	11.1	12.1	*	13.9	17.0	*
Transient Cerebral Ischemia	40	0.0	2.7	*	2.5	6.0	*	2.5	9.5	*
Stroke	102	21.6	21.0	4.4	25.5	28.2	5.9	30.4	32.9	5.4
Hip Fracture	67	3.0	5.5	3.8	6.0	10.1	5.9	9.0	13.1	7.5
Sepsis	3	33.3	42.2	*	33.3	51.8	*	33.3	58.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	7.1	*	5.0	11.5	*	10.0	15.5	*
Carotid Endarterectomy	14	0.0	1.6	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	56	0.0	2.6	3.2	3.6	5.0	3.4	3.6	6.8	4.4
Open Reduction of Hip Fracture	31	6.5	5.0	*	9.7	9.6	*	9.7	12.8	*
Prostatectomy	137	2.9	1.5	1.6	4.4	3.7	2.1	6.6	6.1	2.2
Cholecystectomy	50	4.0	3.6	*	8.0	6.4	*	8.0	8.2	*
Hysterectomy	35	0.0	0.8	*	2.9	1.7	*	2.9	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,538	8.4	7.8	0.7	12.8	12.4	0.7	16.5	16.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	72	29.2	26.4	5.4	31.9	29.9	5.6	34.7	33.4	5.6
Congestive Heart Failure	110	23.6	15.6	4.8	31.8	23.8	5.2	36.4	30.7	4.9
Pneumonia/Influenza	82	14.6	14.6	3.9	20.7	19.8	4.5	30.5	24.3	6.4
Chronic Obstructive Pulmonary Disease	52	17.3	9.5	6.6	25.0	16.0	7.4	28.8	21.1	7.6
Transient Cerebral Ischemia	41	0.0	1.9	*	0.0	4.0	*	2.4	6.3	*
Stroke	86	17.4	23.1	6.9	23.3	29.8	7.6	30.2	34.7	6.1
Hip Fracture	77	6.5	6.3	2.8	11.7	11.3	5.0	16.9	14.7	5.4
Sepsis	6	16.7	18.3	*	16.7	25.8	*	16.7	30.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	3.9	*	5.3	7.6	*	21.1	11.5	*
Carotid Endarterectomy	7	14.3	1.3	*	14.3	2.5	*	14.3	3.7	*
Hip Replacement/Reconstruction	52	5.8	3.3	4.5	9.6	6.3	5.5	9.6	8.6	5.8
Open Reduction of Hip Fracture	41	4.9	5.6	*	9.8	10.5	*	12.2	13.9	*
Prostatectomy	130	0.0	1.0	2.0	2.3	2.5	1.9	4.6	4.2	1.8
Cholecystectomy	50	4.0	2.6	*	6.0	5.1	*	8.0	7.1	*
Hysterectomy	31	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COMMUNITY MEMORIAL HOSPITAL

125 Buena Vista Circle
South Hill, VA 23970

Medicare Provider Number: 490098

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,063	13.2	12.0	1.3	19.2	16.9	2.0	22.8	20.7	2.2
CONDITIONS:										
Acute Myocardial Infarction	77	28.6	28.9	6.2	31.2	32.1	6.1	35.1	35.6	6.2
Congestive Heart Failure	34	14.7	14.2	*	23.5	21.6	*	26.5	27.9	*
Pneumonia/Influenza	57	17.5	17.8	5.1	24.6	23.8	5.7	26.3	28.5	7.2
Chronic Obstructive Pulmonary Disease	3	0.0	8.4	*	0.0	13.8	*	0.0	18.5	*
Transient Cerebral Ischemia	25	8.0	2.0	*	12.0	4.3	*	12.0	6.8	*
Stroke	64	28.1	20.3	8.2	35.9	26.8	10.6	39.1	31.2	10.2
Hip Fracture	27	7.4	6.8	*	18.5	11.8	*	18.5	15.0	*
Sepsis	20	20.0	27.9	*	25.0	36.2	*	35.0	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	5.0	*	20.0	7.6	*	20.0	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	5.7	*	20.0	10.1	*	20.0	13.1	*
Open Reduction of Hip Fracture	10	10.0	6.0	*	30.0	10.8	*	30.0	13.8	*
Prostatectomy	33	0.0	1.8	*	0.0	4.3	*	6.1	7.1	*
Cholecystectomy	19	10.5	4.0	*	15.8	6.8	*	15.8	8.5	*
Hysterectomy	4	25.0	10.3	*	25.0	11.5	*	25.0	12.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	260
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	19
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	56
Licensed Practical Nurses	65

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 490098

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,062	10.5	11.4	1.5	16.4	16.3	1.6	20.2	20.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	72	26.4	33.4	11.3	29.2	36.7	10.8	33.3	40.4	10.1
Congestive Heart Failure	67	16.4	17.1	4.7	26.9	25.9	5.7	35.8	32.9	6.3
Pneumonia/Influenza	49	18.4	18.5	*	30.6	24.3	*	32.7	29.0	*
Chronic Obstructive Pulmonary Disease	13	0.0	10.9	*	0.0	18.6	*	7.7	25.3	*
Transient Cerebral Ischemia	22	4.5	2.2	*	13.6	4.7	*	18.2	7.4	*
Stroke	54	24.1	20.4	6.5	35.2	27.4	10.8	40.7	32.2	11.4
Hip Fracture	29	6.9	8.5	*	13.8	14.4	*	17.2	17.9	*
Sepsis	8	0.0	24.2	*	0.0	31.5	*	0.0	36.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	5.0	*	13.3	8.7	*	26.7	12.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	9.7	*	15.4	14.9	*	15.4	18.7	*
Open Reduction of Hip Fracture	16	6.3	8.2	*	12.5	14.6	*	18.8	18.3	*
Prostatectomy	35	0.0	1.5	*	2.9	3.6	*	5.7	5.7	*
Cholecystectomy	17	11.8	4.7	*	11.8	8.7	*	11.8	11.8	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,021	10.9	11.1	1.8	15.3	15.9	1.7	19.1	19.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	71	36.6	31.7	7.2	40.8	34.7	7.8	42.3	38.2	7.1
Congestive Heart Failure	68	23.5	14.8	7.4	30.9	22.1	8.6	39.7	28.5	10.0
Pneumonia/Influenza	35	17.1	18.1	*	17.1	24.2	*	17.1	29.1	*
Chronic Obstructive Pulmonary Disease	14	0.0	10.6	*	0.0	17.3	*	7.1	22.0	*
Transient Cerebral Ischemia	13	0.0	2.4	*	7.7	5.0	*	15.4	7.8	*
Stroke	69	15.9	21.5	9.0	20.3	28.1	10.4	26.1	32.6	9.5
Hip Fracture	20	15.0	8.8	*	20.0	14.2	*	20.0	17.5	*
Sepsis	13	7.7	21.8	*	15.4	29.3	*	23.1	34.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	4.6	*	0.0	7.9	*	10.0	10.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	20.0	8.5	*	30.0	13.9	*	30.0	17.1	*
Open Reduction of Hip Fracture	9	11.1	7.2	*	11.1	12.6	*	11.1	15.8	*
Prostatectomy	29	3.4	1.6	*	3.4	3.9	*	6.9	6.3	*
Cholecystectomy	11	0.0	4.6	*	9.1	8.6	*	9.1	11.6	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CULPEPER MEMORIAL HOSPITAL INC

501 Sunset Lane
Culpeper, VA 22701

Medicare Provider Number: 490019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	783	10.2	9.1	1.6	14.2	13.6	1.7	17.9	17.3	2.1
CONDITIONS:										
Acute Myocardial Infarction	25	24.0	28.5	*	28.0	32.1	*	28.0	35.9	*
Congestive Heart Failure	38	15.8	15.4	*	23.7	23.6	*	28.9	30.6	*
Pneumonia/Influenza	38	23.7	13.2	*	26.3	17.9	*	28.9	21.9	*
Chronic Obstructive Pulmonary Disease	10	0.0	6.6	*	0.0	12.1	*	0.0	17.0	*
Transient Cerebral Ischemia	10	0.0	1.3	*	0.0	2.9	*	0.0	4.7	*
Stroke	34	20.6	23.6	*	29.4	31.0	*	38.2	36.0	*
Hip Fracture	36	11.1	6.0	*	13.9	10.8	*	27.8	14.1	*
Sepsis	2	0.0	34.9	*	0.0	40.3	*	0.0	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.7	*	0.0	3.7	*	0.0	6.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	12.5	4.7	*	12.5	8.9	*	25.0	11.8	*
Open Reduction of Hip Fracture	17	11.8	5.3	*	17.6	10.0	*	35.3	13.3	*
Prostatectomy	10	10.0	0.6	*	10.0	1.5	*	10.0	2.8	*
Cholecystectomy	16	6.3	1.0	*	12.5	1.9	*	12.5	2.6	*
Hysterectomy	4	0.0	0.6	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	84
Occupancy Rate	49
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	60
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	77
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CULPEPER MEMORIAL HOSPITAL INC

Medicare Provider Number: 490019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	755	10.6	10.0	1.2	14.8	15.0	1.6	18.0	18.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	25.5	*	30.8	28.9	*	34.6	32.4	*
Congestive Heart Failure	38	21.1	16.1	*	21.1	24.4	*	26.3	31.4	*
Pneumonia/Influenza	33	9.1	14.4	*	18.2	19.6	*	24.2	23.7	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.3	*	0.0	12.0	*	0.0	17.4	*
Transient Cerebral Ischemia	11	0.0	2.2	*	0.0	4.9	*	0.0	7.9	*
Stroke	31	38.7	22.0	*	38.7	29.0	*	51.6	34.0	*
Hip Fracture	26	11.5	7.6	*	19.2	13.9	*	19.2	18.0	*
Sepsis	10	20.0	39.4	*	20.0	46.9	*	20.0	53.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.3	*	0.0	3.4	*	0.0	5.6	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*
Hip Replacement/Reconstruction	21	9.5	4.6	*	14.3	8.8	*	14.3	11.5	*
Open Reduction of Hip Fracture	12	16.7	6.7	*	16.7	13.0	*	16.7	17.1	*
Prostatectomy	13	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*
Cholecystectomy	12	8.3	2.6	*	8.3	4.4	*	8.3	5.5	*
Hysterectomy	6	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	769	9.5	9.1	1.3	13.5	13.9	1.4	17.7	17.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	19	26.3	27.5	*	36.8	30.9	*	42.1	34.7	*
Congestive Heart Failure	27	14.8	15.9	*	14.8	23.8	*	25.9	30.4	*
Pneumonia/Influenza	45	15.6	15.5	*	17.8	20.9	*	17.8	25.3	*
Chronic Obstructive Pulmonary Disease	5	40.0	9.2	*	40.0	14.8	*	60.0	19.0	*
Transient Cerebral Ischemia	13	15.4	2.3	*	15.4	5.3	*	15.4	8.3	*
Stroke	25	20.0	25.2	*	28.0	32.1	*	36.0	37.1	*
Hip Fracture	35	8.6	5.6	*	17.1	10.5	*	20.0	13.8	*
Sepsis	9	22.2	34.8	*	33.3	41.3	*	55.6	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.7	*	0.0	3.7	*	0.0	5.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	3.1	*	7.7	6.0	*	7.7	8.3	*
Open Reduction of Hip Fracture	15	6.7	5.2	*	20.0	10.3	*	20.0	13.8	*
Prostatectomy	15	6.7	0.9	*	6.7	2.3	*	6.7	4.1	*
Cholecystectomy	14	0.0	3.3	*	0.0	5.9	*	0.0	7.7	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DEPAUL MEDICAL CENTER

150 Kingsley Ave
Norfolk, VA 23505

Medicare Provider Number: 490011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,890	8.3	8.7	0.6	13.6	13.6	0.7	17.5	17.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	75	21.3	27.1	9.8	25.3	30.1	9.1	28.0	33.3	8.3
Congestive Heart Failure	135	16.3	14.1	4.2	22.2	21.8	3.8	28.1	28.3	4.6
Pneumonia/Influenza	71	9.9	14.6	5.5	22.5	20.1	5.1	25.4	24.4	5.1
Chronic Obstructive Pulmonary Disease	38	0.0	8.4	*	7.9	14.8	*	15.8	20.3	*
Transient Cerebral Ischemia	30	6.7	2.1	*	13.3	4.7	*	20.0	7.5	*
Stroke	110	21.8	19.1	4.1	33.6	26.0	6.1	38.2	30.4	6.6
Hip Fracture	61	4.9	6.2	3.4	8.2	11.2	6.1	8.2	14.5	8.2
Sepsis	24	12.5	24.9	*	25.0	34.2	*	25.0	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.8	*	0.0	5.2	*	20.0	7.5	*
Carotid Endarterectomy	13	0.0	1.7	*	7.7	3.3	*	7.7	4.8	*
Hip Replacement/Reconstruction	36	8.3	4.0	*	11.1	7.4	*	19.4	10.1	*
Open Reduction of Hip Fracture	33	6.1	6.2	*	12.1	11.6	*	12.1	15.3	*
Prostatectomy	83	1.2	1.0	1.1	3.6	2.3	2.2	3.6	4.0	2.2
Cholecystectomy	40	0.0	2.3	*	0.0	4.2	*	2.5	5.6	*
Hysterectomy	35	0.0	3.3	*	5.7	6.3	*	11.4	8.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	354
Occupancy Rate	75
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	258
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	331
Licensed Practical Nurses	60

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DEPAUL MEDICAL CENTER

Medicare Provider Number: 490011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,777	9.1	9.0	0.6	13.8	14.0	0.7	17.6	17.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	63	23.8	27.6	7.2	30.2	31.0	6.5	33.3	34.6	6.3
Congestive Heart Failure	134	11.9	14.2	6.0	18.7	21.8	5.4	25.4	28.3	6.0
Pneumonia/Influenza	63	17.5	17.4	5.2	27.0	23.8	9.6	27.0	28.7	9.8
Chronic Obstructive Pulmonary Disease	44	15.9	8.3	*	20.5	13.8	*	27.3	18.8	*
Transient Cerebral Ischemia	30	0.0	1.9	*	6.7	4.1	*	6.7	6.4	*
Stroke	110	20.9	21.6	4.0	29.1	28.8	4.3	35.5	33.5	5.6
Hip Fracture	61	6.6	6.1	3.1	9.8	11.0	5.0	9.8	14.3	6.2
Sepsis	25	16.0	33.4	*	16.0	42.6	*	24.0	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	16.7	7.8	*	16.7	10.7	*	25.0	13.2	*
Carotid Endarterectomy	18	5.6	2.1	*	5.6	3.9	*	5.6	5.8	*
Hip Replacement/Reconstruction	34	11.8	4.5	*	14.7	8.9	*	14.7	11.9	*
Open Reduction of Hip Fracture	31	3.2	5.4	*	6.5	10.1	*	6.5	13.2	*
Prostatectomy	94	2.1	1.8	1.4	3.2	3.5	1.9	3.2	5.3	2.9
Cholecystectomy	44	0.0	1.5	*	2.3	2.7	*	4.5	3.6	*
Hysterectomy	27	0.0	1.7	*	0.0	3.6	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,610	7.3	9.1	0.9	13.5	14.1	1.0	17.5	18.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	60	28.3	29.0	6.3	33.3	32.0	6.8	36.7	35.2	6.4
Congestive Heart Failure	125	9.6	14.7	6.5	20.8	22.2	7.3	27.2	28.6	4.4
Pneumonia/Influenza	77	14.3	13.7	4.1	26.0	18.9	6.6	29.9	23.1	7.1
Chronic Obstructive Pulmonary Disease	50	10.0	10.8	*	20.0	17.6	*	24.0	23.0	*
Transient Cerebral Ischemia	47	2.1	2.7	*	2.1	5.5	*	4.3	8.2	*
Stroke	91	23.1	23.0	4.4	28.6	29.4	5.0	34.1	33.8	5.2
Hip Fracture	44	11.4	6.9	*	18.2	12.8	*	25.0	16.8	*
Sepsis	18	16.7	29.8	*	38.9	37.7	*	44.4	43.8	*
PROCEDURES:										
Angioplasty	1	0.0	5.4	*	0.0	8.6	*	0.0	10.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	3.1	*	4.0	6.4	*	8.0	9.5	*
Carotid Endarterectomy	13	7.7	1.8	*	7.7	3.2	*	7.7	4.6	*
Hip Replacement/Reconstruction	23	4.3	5.6	*	8.7	10.8	*	21.7	14.3	*
Open Reduction of Hip Fracture	23	13.0	5.2	*	21.7	10.2	*	21.7	13.6	*
Prostatectomy	96	1.0	1.3	1.4	2.1	3.3	2.4	4.2	5.5	3.1
Cholecystectomy	49	0.0	3.6	*	0.0	6.6	*	2.0	9.0	*
Hysterectomy	28	0.0	0.8	*	0.0	1.7	*	3.6	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

173.1

DePaul
Medical Center
150 Kingsley Lane
Norfolk, Virginia 23505
Telephone (804) 489-5359
Fax No (804) 423-3148

Vice President, Medical Affairs

January 10, 1991

Medicare Provider No. 490011

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD

Dear Mrs. Kappert:

Thank you for the opportunity to respond to the HCFA Mortality Statistics for the fiscal year 1989. This information will be utilized as an adjunct to the statistics currently being collected by continuous monitoring for our Quality Assurance Program.

Please see attached "Comments on HCFA Mortality Data".

Sincerely,

Harold M. Horden MD

Harold Horden, M.D.
Vice-President, Medical Affairs

cc: Sister Ellen Eisenberger, President

Member of DAUGHTERS OF CHARITY NATIONAL HEALTH SYSTEM

COMMENTS ON HCFA MORTALITY DATA Medicare Provider No. 490011

The HCFA Mortality data for fiscal year 1989 has been reviewed and evaluated. Analysis of the data indicates that there are NO AREAS WITH SIGNIFICANT VARIATIONS at the 95% confidence level. Variations in the "predicted" versus the "observed" rates were noted in four areas: Congestive Failure, Pneumonia/ Influenza, Stroke, and Prostatectomy. Again based on the 95% confidence level, these variations, in all probability, are a result of random variations and not meaningful. However, the Stroke category was noted to slightly exceed the predicted rates utilizing the 75% confidence level. While this does not indicate a problem, it can suggest further review or no additional review, according to HCFA guidelines. We chose to remonitor all deaths noted in your report. The review revealed that there were no trends or areas where quality of care was not met, according to "Medical Staff Peer Review" or review by the "Department of Quality Management".

Further review of the data indicated that of the reported deaths, 47% occurred after discharge. DePaul Medical Center currently monitors readmissions within thirty days for appropriate discharge plans. Monitoring to date has revealed no significant problems. However, opportunities to improve post-hospital care are addressed through patient/family/physician centered discharge planning. It should be noted that the data reveals a number of "no codes" among this group. In all probability, this indicates a greater severity of illness on admission.

Increased monitoring will be conducted for: Congestive Failure, Pneumonia/ Influenza, Stroke, and Prostatectomy. These areas will be incorporated in the current on-going monitoring for quality of care and services.

DICKENSON COUNTY MEDICAL CENTER

Hospital Dr P O Box 1390
Clintwood, VA 24228

Medicare Provider Number: 490131

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	266	7.1	8.8	2.3	13.2	13.6	2.6	15.8	17.5	2.7
CONDITIONS:										
Acute Myocardial Infarction	7	0.0	18.5	*	14.3	24.4	*	14.3	29.2	*
Congestive Heart Failure	12	8.3	12.6	*	16.7	19.1	*	16.7	25.2	*
Pneumonia/Influenza	17	0.0	17.8	*	11.8	24.7	*	11.8	30.0	*
Chronic Obstructive Pulmonary Disease	9	0.0	4.0	*	0.0	8.3	*	0.0	12.0	*
Transient Cerebral Ischemia	4	0.0	1.7	*	0.0	4.1	*	0.0	6.8	*
Stroke	8	25.0	19.6	*	25.0	27.8	*	37.5	32.8	*
Hip Fracture	1	0.0	10.8	*	0.0	16.4	*	0.0	19.6	*
Sepsis	2	50.0	31.1	*	50.0	48.5	*	50.0	59.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	0.9	*	0.0	2.1	*	0.0	3.2	*
Cholecystectomy	9	11.1	2.2	*	11.1	3.7	*	11.1	4.8	*
Hysterectomy	1	0.0	0.5	*	0.0	1.2	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	50
Occupancy Rate	36
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	16
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	25
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DICKENSON COUNTY MEDICAL CENTER

Medicare Provider Number: 490131

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	299	7.4	8.6	2.4	13.0	13.3	2.0	15.1	17.0	2.9
CONDITIONS:										
Acute Myocardial Infarction	9	33.3	24.1	*	33.3	27.8	*	33.3	31.5	*
Congestive Heart Failure	12	8.3	19.6	*	16.7	28.5	*	25.0	35.6	*
Pneumonia/Influenza	20	10.0	18.4	*	15.0	24.9	*	15.0	29.7	*
Chronic Obstructive Pulmonary Disease	6	0.0	4.9	*	16.7	11.3	*	16.7	17.3	*
Transient Cerebral Ischemia	9	0.0	1.5	*	11.1	3.2	*	11.1	5.0	*
Stroke	11	18.2	17.9	*	27.3	24.7	*	36.4	29.5	*
Hip Fracture	1	100.0	11.2	*	100.0	19.3	*	100.0	25.1	*
Sepsis	2	0.0	14.6	*	50.0	20.3	*	50.0	24.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	6	0.0	1.5	*	0.0	3.6	*	0.0	5.9	*
Cholecystectomy	8	12.5	3.0	*	12.5	5.5	*	12.5	7.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	232	6.9	8.2	2.2	11.2	12.5	2.6	15.5	15.9	2.8
CONDITIONS:										
Acute Myocardial Infarction	10	20.0	22.5	*	20.0	25.5	*	20.0	28.6	*
Congestive Heart Failure	9	11.1	16.4	*	11.1	26.0	*	11.1	33.2	*
Pneumonia/Influenza	17	11.8	16.7	*	29.4	21.9	*	35.3	26.2	*
Chronic Obstructive Pulmonary Disease	8	0.0	3.0	*	25.0	6.4	*	25.0	9.6	*
Transient Cerebral Ischemia	5	0.0	2.2	*	0.0	5.0	*	80.0	8.2	*
Stroke	6	16.7	15.5	*	16.7	20.8	*	33.3	24.7	*
Hip Fracture	0									
Sepsis	3	0.0	31.9	*	0.0	39.4	*	0.0	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.9	*	0.0	2.2	*	0.0	3.5	*
Cholecystectomy	7	0.0	1.9	*	14.3	3.0	*	14.3	3.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

EASTERN STATE HOSPITAL

Drawer A
Williamsburg, VA 23185

Medicare Provider Number: 490109

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	167	10.8	10.2	2.4	18.6	16.0	4.5	18.6	20.6	3.8
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	52	19.2	17.9	5.6	26.9	25.2	6.3	26.9	30.7	7.4
Chronic Obstructive Pulmonary Disease	5	20.0	6.4	*	40.0	12.6	*	40.0	18.3	*
Transient Cerebral Ischemia	1	0.0	2.2	*	0.0	5.3	*	0.0	8.7	*
Stroke	0									
Hip Fracture	1	0.0	4.8	*	0.0	9.6	*	0.0	13.2	*
Sepsis	1	0.0	45.2	*	100.0	56.6	*	100.0	65.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	1,080
Occupancy Rate	83
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	26
Percent of Physicians Board Certified Specialists	46
Medical Residents/Interns	0
Registered Nurses	113
Licensed Practical Nurses	141

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

EASTERN STATE HOSPITAL

Medicare Provider Number: 490109

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	151	6.0	9.3	3.7	10.6	14.8	4.2	13.9	19.3	5.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	0.0	15.6	*	33.3	25.2	*	33.3	32.9	*
Pneumonia/Influenza	39	10.3	18.0	*	20.5	25.0	*	28.2	30.3	*
Chronic Obstructive Pulmonary Disease	3	0.0	11.3	*	33.3	22.7	*	33.3	32.4	*
Transient Cerebral Ischemia	1	0.0	5.1	*	0.0	12.5	*	0.0	20.9	*
Stroke	0									
Hip Fracture	2	0.0	6.8	*	0.0	12.8	*	0.0	16.5	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	112	8.9	12.3	3.6	16.1	19.5	4.3	23.2	25.1	4.3
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	57.4	*	100.0	61.5	*	100.0	66.7	*
Congestive Heart Failure	4	0.0	17.2	*	50.0	27.5	*	75.0	35.2	*
Pneumonia/Influenza	25	4.0	18.9	*	8.0	25.8	*	20.0	31.3	*
Chronic Obstructive Pulmonary Disease	2	0.0	8.1	*	0.0	13.8	*	0.0	18.5	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	1	100.0	24.7	*	100.0	28.8	*	100.0	33.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FAIR OAKS HOSPITAL

3600 Joseph Diewick Dr
Fairfax, VA 22033

Medicare Provider Number: 490101

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	959	8.9	8.4	1.2	13.7	13.1	1.4	17.0	16.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	22	27.3	22.8	*	27.3	26.1	*	27.3	29.6	*
Congestive Heart Failure	43	27.9	14.5	*	32.6	22.4	*	34.9	29.0	*
Pneumonia/Influenza	49	8.2	17.0	*	16.3	23.1	*	22.4	27.9	*
Chronic Obstructive Pulmonary Disease	20	0.0	6.0	*	15.0	11.0	*	15.0	15.4	*
Transient Cerebral Ischemia	31	0.0	1.8	*	3.2	4.1	*	6.5	6.4	*
Stroke	52	17.3	18.6	5.5	19.2	24.3	6.7	21.2	28.4	7.9
Hip Fracture	29	6.9	7.2	*	6.9	13.1	*	13.8	17.3	*
Sepsis	8	25.0	29.0	*	50.0	37.9	*	50.0	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.4	*	16.7	5.5	*	16.7	8.7	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	3.1	*	0.0	4.9	*
Hip Replacement/Reconstruction	24	4.2	4.2	*	4.2	8.0	*	12.5	10.7	*
Open Reduction of Hip Fracture	14	7.1	6.2	*	7.1	11.7	*	7.1	15.6	*
Prostatectomy	32	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	27	3.7	1.9	*	7.4	3.4	*	7.4	4.8	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	150
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	406
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	219
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FAIR OAKS HOSPITAL

Medicare Provider Number: 490101

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	830	8.3	7.7	1.4	12.2	12.0	1.1	15.3	15.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	15	40.0	27.5	*	53.3	30.8	*	53.3	34.6	*
Congestive Heart Failure	34	17.6	16.0	*	20.6	24.0	*	23.5	30.7	*
Pneumonia/Influenza	34	17.6	14.2	*	20.6	19.4	*	26.5	23.7	*
Chronic Obstructive Pulmonary Disease	13	0.0	6.0	*	7.7	10.0	*	15.4	13.6	*
Transient Cerebral Ischemia	23	4.3	1.7	*	8.7	3.7	*	8.7	5.8	*
Stroke	49	14.3	16.9	*	24.5	23.1	*	26.5	27.4	*
Hip Fracture	26	7.7	5.1	*	7.7	9.4	*	15.4	12.5	*
Sepsis	5	40.0	25.4	*	80.0	34.1	*	80.0	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	5.5	*	25.0	9.8	*	25.0	13.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	4.3	*	9.1	8.0	*	9.1	10.4	*
Open Reduction of Hip Fracture	10	10.0	3.9	*	10.0	7.8	*	30.0	10.7	*
Prostatectomy	26	3.8	0.9	*	3.8	2.1	*	3.8	3.4	*
Cholecystectomy	17	0.0	1.4	*	0.0	2.4	*	0.0	3.0	*
Hysterectomy	3	0.0	0.6	*	0.0	1.0	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	830	10.2	8.7	1.7	14.2	13.0	1.8	17.2	16.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	44	38.6	28.1	*	43.2	31.7	*	45.5	35.3	*
Congestive Heart Failure	36	27.8	17.0	*	38.9	26.0	*	44.4	33.3	*
Pneumonia/Influenza	34	5.9	14.8	*	8.8	20.2	*	14.7	24.7	*
Chronic Obstructive Pulmonary Disease	14	7.1	8.3	*	21.4	14.1	*	21.4	18.7	*
Transient Cerebral Ischemia	12	0.0	2.3	*	0.0	5.2	*	0.0	8.5	*
Stroke	35	5.7	23.5	*	11.4	30.7	*	22.9	35.9	*
Hip Fracture	20	15.0	5.6	*	15.0	10.3	*	15.0	13.5	*
Sepsis	5	40.0	17.4	*	40.0	23.4	*	40.0	28.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.9	*	25.0	3.5	*	25.0	5.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	5.6	2.7	*	5.6	5.5	*	5.6	7.5	*
Open Reduction of Hip Fracture	8	25.0	5.9	*	25.0	10.8	*	25.0	14.0	*
Prostatectomy	24	4.2	0.7	*	4.2	1.7	*	4.2	2.9	*
Cholecystectomy	11	0.0	3.8	*	0.0	7.3	*	0.0	10.4	*
Hysterectomy	4	0.0	3.1	*	0.0	6.0	*	0.0	8.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FAIR OAKS HOSPITAL
FAIRFAX HOSPITAL SYSTEM

3600 Joseph Siewick Drive
Fairfax, Virginia 22033
703 391-3600

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: 1989 HCFA Mortality Data
#490101

ATTN: Ms. Sandra Kappert

Dear Ms. Kappert:

On behalf of Fair Oaks Hospital, an affiliate of Fairfax Hospital System, we support the efforts of HCFA to release useful information to help improve the quality of care provided by our health care facilities. Further, we support the concept of a well-informed public and appreciate the opportunity to help ensure the accuracy of the mortality data to be released.

Fair Oaks Hospital is pleased that its overall mortality rate for all causes continues to be consistent with HCFA's predicted rate.

DATA VERIFICATION - A review of our records indicate no medical record numbers beginning with 15. We are unable to determine where the medical record numbers beginning with 15 on your chart came from.

Hospital demographic information from the 1989 AHA guide is also incorrect. Corrected information is provided below.

Total beds (#): 138
Occupancy rate (%): 72
Total number of physicians: 649
Registered nurses: 328
Licensed practical nurses: 6
Hospice care: Yes
Obstetrical Unit: Yes
Pediatrics Unit: Yes

DATA INTERPRETATION - Mortality review is an integral part of Fair Oaks Hospital's internal quality assurance program. Each death is reviewed for appropriateness of care by our Medical Staff on a routine basis. The data presented by HCFA in this report further assists the Medical Staff in identifying trends and patterns over time. However, as noted in the report, Fair Oaks Hospital has too few cases to yield a reliable test of significance by diagnostic category (with the exception of All Causes and Stroke) reflecting the fact that with smaller numbers or low rates there is greater uncertainty in the estimate of predicted mortality. In instances where there are fewer than 50 cases, the predicted mortality is considered uninterpretable, i.e., you cannot know whether there is a real difference between the observed rate and what would be expected for the Hospital.

Under the diagnostic category "Acute Myocardial Infarction" it shows an observed mortality rate of 27.3 against a predicted rate of 22.8. The observed rate is a continuous improvement over the past two years of reported rates for this diagnostic category. The patients expiring in 1989 ranged from age 72 to 88 and all expired within 2 to 3 days of admission to the hospital, indicating the seriousness of their condition upon admission.

Under the diagnostic category "Cholecystectomy" it shows an observed mortality rate of 3.7 as opposed to a predicted rate of 1.9 for the thirty day category and an observed mortality rate of 7.4 as opposed to a predicted rate of 3.4 for the ninety day category. In the thirty day category the observed rate represents one patient, an 83 year old. In the ninety day category the observed rate represents one additional patient who in addition to the cholecystectomy had an aortic aneurysm repair during the hospitalization.

Thank you for this opportunity to comment on this information.

Sincerely,

Steven E. B

Steven E. Brown
Vice President/Administrator

Lee F. Smith M.D./sw

Lee F. Smith, M.D.
President
Fair Oaks Hospital Medical Staff

FAIRFAX HOSPITAL

3300 Gallows Rd
Falls Church, VA 22046

Medicare Provider Number: 490063

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,939	6.4	7.6	0.6	11.0	11.9	0.8	14.1	15.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	89	19.1	26.8	7.2	19.1	30.0	8.1	22.5	33.3	8.7
Congestive Heart Failure	143	12.6	14.6	3.3	23.8	22.3	4.0	29.4	28.9	3.8
Pneumonia/Influenza	94	11.7	15.0	5.3	20.2	20.6	4.6	22.3	25.0	5.5
Chronic Obstructive Pulmonary Disease	62	8.1	8.2	3.9	24.2	14.9	5.6	35.5	20.7	7.4
Transient Cerebral Ischemia	63	4.8	1.8	3.0	6.3	3.9	3.3	7.9	6.1	3.3
Stroke	143	14.0	20.5	4.9	18.9	27.0	6.0	22.4	31.3	6.3
Hip Fracture	86	4.7	6.1	3.0	9.3	11.0	4.5	11.6	14.3	5.6
Sepsis	33	9.1	22.6	*	30.3	30.8	*	39.4	36.9	*
PROCEDURES:										
Angioplasty	101	1.0	3.0	2.2	1.0	3.9	2.6	1.0	4.9	3.2
Coronary Artery Bypass Graft	192	4.2	5.3	2.0	6.8	7.5	2.6	7.3	8.9	3.3
Initial Pacemaker Insertion	29	6.9	2.9	*	6.9	5.6	*	6.9	8.3	*
Carotid Endarterectomy	22	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	66	1.5	3.2	3.1	3.0	6.1	4.4	4.5	8.2	4.9
Open Reduction of Hip Fracture	33	6.1	6.2	*	6.1	11.4	*	9.1	14.7	*
Prostatectomy	76	0.0	0.7	1.1	1.3	1.7	1.5	1.3	2.9	2.3
Cholecystectomy	80	1.2	2.9	2.2	2.5	5.5	3.2	6.3	7.4	3.2
Hysterectomy	50	2.0	0.8	*	2.0	1.7	*	4.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	696
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	1,069
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	8
Registered Nurses	1,052
Licensed Practical Nurses	58

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

FAIRFAX HOSPITAL

Medicare Provider Number: 490063

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,890	7.0	8.0	0.7	11.2	12.4	0.8	14.8	15.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	131	22.9	24.5	4.2	24.4	27.6	4.7	29.0	31.0	4.4
Congestive Heart Failure	141	9.2	14.1	5.7	16.3	21.6	7.8	22.7	28.1	6.8
Pneumonia/Influenza	97	9.3	16.2	5.0	12.4	22.2	6.1	18.6	26.8	5.8
Chronic Obstructive Pulmonary Disease	71	5.6	7.6	4.3	8.5	13.0	5.3	18.3	17.7	7.5
Transient Cerebral Ischemia	56	1.8	1.9	2.2	3.6	4.1	3.5	8.9	6.3	5.0
Stroke	140	15.7	21.3	3.9	20.0	28.6	4.7	20.0	33.3	5.4
Hip Fracture	96	8.3	5.9	4.0	11.5	10.9	4.4	12.5	14.1	5.1
Sepsis	29	13.8	19.8	*	17.2	27.4	*	27.6	33.7	*
PROCEDURES:										
Angioplasty	50	0.0	3.5	*	0.0	4.3	*	0.0	5.3	*
Coronary Artery Bypass Graft	135	5.2	6.2	3.6	6.7	8.5	3.0	8.9	9.9	2.9
Initial Pacemaker Insertion	18	11.1	5.0	*	27.8	7.8	*	27.8	10.4	*
Carotid Endarterectomy	21	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	44	4.5	3.4	*	9.1	6.7	*	9.1	9.0	*
Open Reduction of Hip Fracture	45	4.4	5.5	*	6.7	10.5	*	8.9	13.9	*
Prostatectomy	93	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	62	4.8	2.6	2.7	4.8	4.7	2.7	4.8	6.2	3.3
Hysterectomy	51	0.0	0.7	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,548	8.1	8.1	0.5	12.2	12.6	0.7	15.8	16.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	111	21.6	27.2	6.2	24.3	30.6	6.1	27.9	34.1	6.4
Congestive Heart Failure	120	18.3	15.7	4.0	28.3	24.1	6.8	37.5	31.1	8.3
Pneumonia/Influenza	84	20.2	16.5	4.6	26.2	22.8	5.6	36.9	27.8	7.6
Chronic Obstructive Pulmonary Disease	67	13.4	11.6	4.3	22.4	18.7	6.1	23.9	23.9	6.8
Transient Cerebral Ischemia	63	0.0	1.7	3.8	4.8	3.7	4.5	14.3	5.8	4.2
Stroke	118	21.2	19.4	4.2	25.4	26.2	4.1	27.1	30.7	4.7
Hip Fracture	92	4.3	5.2	2.5	8.7	9.6	3.2	13.0	12.8	4.0
Sepsis	30	23.3	26.7	*	33.3	35.0	*	36.7	41.8	*
PROCEDURES:										
Angioplasty	51	2.0	3.9	3.7	2.0	4.8	4.2	3.9	5.9	4.5
Coronary Artery Bypass Graft	92	4.3	5.7	2.7	4.3	8.0	3.4	5.4	9.4	3.8
Initial Pacemaker Insertion	30	0.0	2.8	*	0.0	5.7	*	3.3	8.3	*
Carotid Endarterectomy	21	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	59	3.4	3.3	2.6	3.4	6.5	3.9	6.8	9.0	4.2
Open Reduction of Hip Fracture	45	4.4	4.0	*	6.7	7.8	*	6.7	10.5	*
Prostatectomy	93	0.0	0.8	1.1	1.1	1.9	1.6	2.2	3.3	2.0
Cholecystectomy	49	2.0	2.7	*	2.0	5.2	*	4.1	7.2	*
Hysterectomy	56	0.0	1.2	2.2	3.6	2.2	2.4	3.6	3.2	3.5

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

181.1 FAIRFAX HOSPITAL
FAIRFAX HOSPITAL SYSTEM

3300 Gallows Road
Falls Church, Virginia 22046
703 698-1110

Everett M. Devaney
Senior Vice President, Fairfax Hospital System
Administrator, Fairfax Hospital

MEDICARE PROVIDER #490063

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert:

As Administrator and Director of Medical Affairs of Fairfax Hospital, an affiliate of Fairfax Hospital System, we appreciate the opportunity to review and offer comments on HCFA's release of hospital mortality information for Fairfax Hospital.

At Fairfax Hospital, we support efforts that help consumers understand the health care delivery system and the quality of the care they receive. The HCFA mortality data is one measure that can offer some insight into evaluating health care delivery systems. It does concentrate on one segment, the Medicare populations, and therefore is inadequate in addressing other age groups with significantly different health concerns.

We have implemented a Quality Improvement Program at Fairfax Hospital that assesses a broad range of clinical indicators, including mortality review. This program is part of our system to insure quality care.

Data Interpretation

We have reviewed your methodology and found it to be sound. In an effort to determine which of the statistics in either the conditions or procedures categories warrant further review, we chose to determine whether any of the mortality rates exceeded the upper bound of the predicted range, using a 95 percent confidence level. The only rate that exceeds that upper limit is the 120-day rate for COPD patients, and that rate exceeds it only slightly.

Fairfax Hospital is a tertiary care hospital; our specialty and high-risk services see patients that represent the most challenging of cases. Considering that all of our rates are essentially within the 95 percent upper boundary, we are satisfied that these statistics are especially positive given the severity of case-mix at Fairfax Hospital.

Data Verification

The following corrections should be made to the hospital characteristics section of your report:

Total Beds:	656
Occupancy Rate:	85.5%
Total # of Physicians:	1517
Percent of Physicians who are Board Certified Specialists	81%

HCFA Data
Page Two

Data Verification (continued)

Medical Residents/Interns	85

Thank you, again, for the continuing opportunity to review and comment.

Sincerely,

Everett M. Devaney
Senior Vice President/Administrator

Robert S. Chabon, M.D., J.D.
Director of Medical Affairs

FAUQUIER HOSPITAL

500 Hospital Dr
Warrenton, VA 22186

Medicare Provider Number: 490023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	929	10.4	9.5	1.1	15.8	14.5	1.4	19.3	18.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	25	36.0	31.7	*	40.0	35.1	*	44.0	38.6	*
Congestive Heart Failure	47	19.1	16.2	*	29.8	25.4	*	36.2	32.9	*
Pneumonia/Influenza	55	25.5	16.1	10.2	30.9	21.9	11.4	34.5	26.5	10.9
Chronic Obstructive Pulmonary Disease	13	15.4	5.4	*	23.1	10.1	*	38.5	14.3	*
Transient Cerebral Ischemia	10	0.0	2.4	*	0.0	5.7	*	10.0	9.1	*
Stroke	45	22.2	19.2	*	28.9	25.9	*	31.1	30.4	*
Hip Fracture	42	11.9	5.5	*	21.4	10.1	*	21.4	13.3	*
Sepsis	13	23.1	28.9	*	61.5	38.7	*	61.5	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.0	*	0.0	6.0	*	0.0	8.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	26	7.7	3.3	*	7.7	6.4	*	7.7	8.5	*
Open Reduction of Hip Fracture	20	10.0	5.8	*	25.0	10.9	*	25.0	14.4	*
Prostatectomy	20	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*
Cholecystectomy	23	0.0	6.3	*	0.0	10.8	*	8.7	13.5	*
Hysterectomy	5	0.0	1.3	*	0.0	3.1	*	0.0	5.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	104
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	57
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	116
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FAUQUIER HOSPITAL

Medicare Provider Number: 490023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	938	11.2	9.2	1.3	17.9	14.0	2.2	21.2	17.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	31	38.7	35.3	*	48.4	38.8	*	48.4	43.0	*
Congestive Heart Failure	54	25.9	15.0	8.2	38.9	23.1	8.8	42.6	29.8	8.3
Pneumonia/Influenza	45	8.9	15.8	*	15.6	21.4	*	17.8	25.8	*
Chronic Obstructive Pulmonary Disease	14	0.0	6.7	*	7.1	12.6	*	7.1	17.9	*
Transient Cerebral Ischemia	30	3.3	2.1	*	10.0	4.6	*	13.3	7.3	*
Stroke	30	13.3	21.4	*	26.7	28.7	*	30.0	33.4	*
Hip Fracture	28	10.7	5.7	*	17.9	10.7	*	21.4	14.1	*
Sepsis	9	22.2	19.6	*	33.3	27.5	*	33.3	33.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.1	*	0.0	7.3	*	0.0	9.4	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	2.0	*	0.0	3.1	*
Hip Replacement/Reconstruction	19	5.3	3.1	*	5.3	6.2	*	10.5	8.3	*
Open Reduction of Hip Fracture	15	20.0	5.1	*	26.7	10.0	*	26.7	13.5	*
Prostatectomy	28	3.6	1.3	*	7.1	2.7	*	7.1	4.2	*
Cholecystectomy	21	0.0	1.8	*	0.0	3.7	*	0.0	5.2	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	862	10.4	10.2	1.1	16.2	15.4	1.3	20.8	19.4	1.6
CONDITIONS:										
Acute Myocardial Infarction	24	41.7	32.7	*	41.7	35.7	*	41.7	39.3	*
Congestive Heart Failure	50	12.0	16.9	*	26.0	25.6	*	30.0	32.7	*
Pneumonia/Influenza	42	16.7	17.8	*	21.4	24.1	*	28.6	28.9	*
Chronic Obstructive Pulmonary Disease	7	0.0	11.0	*	14.3	21.4	*	14.3	29.8	*
Transient Cerebral Ischemia	17	0.0	2.8	*	5.9	6.2	*	11.8	10.0	*
Stroke	33	39.4	27.8	*	48.5	36.0	*	54.5	41.0	*
Hip Fracture	21	9.5	7.8	*	28.6	14.6	*	28.6	19.3	*
Sepsis	10	20.0	35.6	*	20.0	42.9	*	40.0	49.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.3	*	0.0	9.0	*	0.0	13.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	3.0	*	7.1	6.1	*	7.1	8.5	*
Open Reduction of Hip Fracture	10	20.0	7.8	*	40.0	15.1	*	40.0	20.2	*
Prostatectomy	31	3.2	1.2	*	9.7	2.9	*	12.9	5.1	*
Cholecystectomy	15	13.3	7.9	*	20.0	12.7	*	20.0	15.9	*
Hysterectomy	5	0.0	2.6	*	0.0	4.8	*	0.0	6.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Fauquier Hospital

# 49-0023

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-#-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: HCFA MEDICARE MORTALITY DATA: HOSPITAL RESPONSE

HCFA's methodology for predicting the mortality experience of the Medicare population has again been revised this year. However, the information should not be viewed as a measure of quality or performance, since it attempts to identify differences in mortality for patients discharged from the facility in which those differences are considerately due in part to outside factors. In fact the patient's death can be totally unrelated to the patient's last discharge from an acute facility. A common example of this is a patient, upon discharge from the facility after being treated for a Myocardia Infarction (Heart Attack), who may be involved in an automobile accident within 180 days after discharge. The mortality will probably be reported under the category of ACUTE MYOCARDIAL INFARCTION when in reality it was due to massive head trauma.

Using HCFA's suggested calculations for 95% confidence level, it should be noted that the difference between the hospital's observed and predicted rates is likely to be the result of random variation and not statistically valid for making meaningful assumptions, simply from the data presented. The detailed patient information will certainly be analyzed by the Hospital's Quality Assurance staff and physicians in evaluating the quality and appropriateness of services provided.

The hospital's overall Quality Assurance program will utilize this data as a screen for identifying potential problems. As part of the Quality Assurance program, Fauquier Hospital has a very active multidisciplinary, Mortality Review Committee. The program strives to identify potential concerns prior to a problem arising. The goal of the Quality Assurance program is to provide the highest, professional quality health care to all of our patients.

500 Hospital Drive
Warrenton, Virginia 22186-3099
(703) 347-2550
FAX (703) 347-0267

cont. HCFA MEDICARE MORTALITY DATA: HOSPITAL RESPONSE

# 49-0023

The hospital recently received a letter of commendation from the Joint Commission of Healthcare Organizations (JCAHO), acknowledging Fauquier Hospital's commitment to quality healthcare. The key areas that were evaluated by the JCAHO were the organizations's effectiveness in reviewing patient care and establishing sound internal processes to support the provision of quality care.

SUMMARY:
It is suggested that individuals be cautioned against formulating opinions of expected mortality solely based on HCFA's data, since the data does not always correlate the death to the principal diagnosis. The cause of death is frequently unrelated to the last discharge's principal diagnosis as reported by the HCFA Mortality Study. If the principal diagnosis does not correlate with the cause of death these rates of mortality for each condition reported could be misleading. For example, if a patient was admitted for pneumonia in January and actually died six months later of a heart attack, the Pneumonia is recorded as the principal diagnosis in HCFA's data, even though the patient expired from the heart attack. The category should be acute myocardial infarction instead of the pneumonia category.

Reliance solely on this data could be misleading. Fauquier Hospital desires to provide necessary supporting information and education regarding this data to those who are concerned. We welcome anyone who is interested in discussing the data to contact hospital staff at the following number: (703) 349-0531.

FRANKLIN MEMORIAL HOSPITAL

124 Floyd Ave
Rocky Mount, VA 24151

Medicare Provider Number: 490089

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	456	11.6	9.6	2.0	16.9	14.1	1.9	20.6	17.9	2.1
CONDITIONS:										
Acute Myocardial Infarction	21	19.0	26.4	*	33.3	29.6	*	38.1	33.1	*
Congestive Heart Failure	32	3.1	16.1	*	9.4	25.0	*	12.5	32.3	*
Pneumonia/Influenza	40	27.5	16.2	*	30.0	22.4	*	35.0	27.3	*
Chronic Obstructive Pulmonary Disease	8	0.0	7.1	*	12.5	12.4	*	12.5	16.7	*
Transient Cerebral Ischemia	10	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	22	50.0	22.6	*	59.1	29.2	*	59.1	34.0	*
Hip Fracture	0									
Sepsis	10	20.0	35.2	*	50.0	43.8	*	50.0	51.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	14	0.0	3.1	*	0.0	5.7	*	7.1	7.3	*
Hysterectomy	2	0.0	0.6	*	0.0	1.2	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	62
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	34
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

FRANKLIN MEMORIAL HOSPITAL

Medicare Provider Number: 490089

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	477	10.1	8.4	2.0	15.9	12.8	2.4	18.0	16.4	2.3
CONDITIONS:										
Acute Myocardial Infarction	16	37.5	28.7	*	37.5	32.0	*	43.8	35.7	*
Congestive Heart Failure	26	15.4	15.2	*	26.9	23.1	*	30.8	29.6	*
Pneumonia/Influenza	47	21.3	14.7	*	27.7	20.2	*	31.9	24.5	*
Chronic Obstructive Pulmonary Disease	7	0.0	6.6	*	14.3	11.5	*	14.3	16.2	*
Transient Cerebral Ischemia	11	18.2	2.3	*	18.2	5.3	*	27.3	8.6	*
Stroke	14	14.3	21.3	*	21.4	27.2	*	28.6	31.6	*
Hip Fracture	1	0.0	3.8	*	0.0	6.6	*	0.0	8.6	*
Sepsis	1	100.0	16.3	*	100.0	21.6	*	100.0	26.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	12	0.0	2.2	*	0.0	3.8	*	0.0	4.9	*
Hysterectomy	4	25.0	1.1	*	25.0	2.2	*	25.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	486	10.7	9.0	2.1	15.6	13.2	2.3	18.7	16.8	2.4
CONDITIONS:										
Acute Myocardial Infarction	22	40.9	27.9	*	40.9	31.1	*	40.9	34.9	*
Congestive Heart Failure	26	19.2	16.4	*	23.1	24.7	*	23.1	31.5	*
Pneumonia/Influenza	62	21.0	15.0	6.5	24.2	20.8	5.7	27.4	25.3	5.9
Chronic Obstructive Pulmonary Disease	4	50.0	14.4	*	50.0	21.4	*	50.0	28.1	*
Transient Cerebral Ischemia	14	0.0	1.9	*	0.0	4.2	*	0.0	6.8	*
Stroke	17	5.9	18.4	*	23.5	24.4	*	23.5	29.0	*
Hip Fracture	0									
Sepsis	7	14.3	29.3	*	14.3	37.4	*	28.6	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	12	0.0	1.5	*	0.0	2.9	*	0.0	4.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GILES MEMORIAL HOSPITAL

235 S Buchanan St
Pearisburg, VA 24134

Medicare Provider Number: 490085

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	478	9.6	9.5	1.4	14.0	14.0	1.7	18.0	17.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	20	30.0	25.8	*	35.0	28.4	*	35.0	31.6	*
Congestive Heart Failure	24	8.3	13.2	*	20.8	20.4	*	25.0	26.5	*
Pneumonia/Influenza	41	9.8	12.6	*	19.5	17.2	*	19.5	21.0	*
Chronic Obstructive Pulmonary Disease	3	0.0	5.6	*	0.0	11.9	*	33.3	17.8	*
Transient Cerebral Ischemia	4	0.0	2.0	*	0.0	4.3	*	0.0	6.9	*
Stroke	14	28.6	22.9	*	28.6	28.9	*	28.6	33.6	*
Hip Fracture	0									
Sepsis	15	40.0	25.4	*	46.7	31.7	*	46.7	36.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	9	0.0	4.7	*	0.0	6.9	*	0.0	7.9	*
Hysterectomy	2	0.0	1.0	*	0.0	2.1	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	28
Occupancy Rate	62
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	26
Percent of Physicians Board Certified Specialists	46
Medical Residents/Interns	0
Registered Nurses	38
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GILES MEMORIAL HOSPITAL

Medicare Provider Number: 490085

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	482	7.7	8.1	1.5	12.2	12.3	2.0	14.7	15.8	1.9
CONDITIONS:										
Acute Myocardial Infarction	17	35.3	23.0	*	35.3	25.7	*	35.3	29.1	*
Congestive Heart Failure	23	21.7	14.5	*	39.1	21.8	*	43.5	27.8	*
Pneumonia/Influenza	33	6.1	15.1	*	9.1	20.5	*	12.1	24.7	*
Chronic Obstructive Pulmonary Disease	10	20.0	5.6	*	20.0	10.5	*	20.0	14.4	*
Transient Cerebral Ischemia	7	0.0	2.0	*	0.0	4.4	*	0.0	7.1	*
Stroke	16	18.8	18.3	*	25.0	24.0	*	25.0	28.5	*
Hip Fracture	0									
Sepsis	9	0.0	22.3	*	11.1	27.8	*	11.1	33.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	12	8.3	4.1	*	8.3	6.5	*	8.3	7.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	452	10.8	8.6	2.1	13.9	12.9	2.2	17.3	16.5	2.7
CONDITIONS:										
Acute Myocardial Infarction	18	33.3	22.7	*	33.3	25.4	*	38.9	28.6	*
Congestive Heart Failure	26	19.2	16.1	*	19.2	24.7	*	23.1	31.7	*
Pneumonia/Influenza	23	13.0	14.4	*	21.7	19.7	*	26.1	23.9	*
Chronic Obstructive Pulmonary Disease	12	0.0	6.3	*	0.0	11.0	*	8.3	15.2	*
Transient Cerebral Ischemia	13	0.0	1.9	*	0.0	4.1	*	0.0	6.5	*
Stroke	18	27.8	21.8	*	27.8	28.9	*	33.3	34.1	*
Hip Fracture	0									
Sepsis	14	14.3	21.7	*	14.3	28.2	*	21.4	33.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	13	0.0	2.2	*	0.0	4.1	*	0.0	5.4	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GILL MEMORIAL EYE EAR NOSE THROAT

711 S Jefferson St
Roanoke, VA 24011

Medicare Provider Number: 490083

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	68	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	12
Occupancy Rate	8
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	10
Percent of Physicians Board Certified Specialists	100
Medical Residents/Interns	0
Registered Nurses	14
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GILL MEMORIAL EYE EAR NOSE THROAT

Medicare Provider Number: 490083

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	72	0.0	1.2	1.6	0.0	2.4	2.7	1.4	3.5	2.8
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	75	1.3	1.7	1.5	2.7	3.4	2.3	2.7	5.0	3.3
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

GREENSVILLE MEMORIAL HOSPITAL

214 Weaver Ave
Emporia, VA 23847

Medicare Provider Number: 490097

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	936	9.1	10.9	1.5	13.7	16.0	1.7	18.3	20.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	49	26.5	32.6	*	32.7	36.2	*	36.7	40.1	*
Congestive Heart Failure	66	9.1	14.8	6.9	13.6	23.6	8.4	21.2	30.8	8.5
Pneumonia/Influenza	71	14.1	14.8	4.5	21.1	20.2	5.4	26.8	24.6	7.0
Chronic Obstructive Pulmonary Disease	8	0.0	6.5	*	0.0	12.7	*	12.5	18.5	*
Transient Cerebral Ischemia	21	4.8	1.7	*	4.8	3.8	*	9.5	6.1	*
Stroke	58	13.8	17.6	6.0	25.9	23.8	5.8	25.9	28.1	6.3
Hip Fracture	10	0.0	7.0	*	10.0	12.2	*	10.0	15.6	*
Sepsis	8	50.0	34.8	*	62.5	46.1	*	75.0	53.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	11.5	*	0.0	15.1	*	0.0	18.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	5.4	*	0.0	9.9	*	0.0	12.8	*
Open Reduction of Hip Fracture	6	0.0	6.8	*	16.7	12.5	*	16.7	16.0	*
Prostatectomy	0									
Cholecystectomy	8	0.0	3.4	*	0.0	5.6	*	0.0	6.8	*
Hysterectomy	3	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	117
Occupancy Rate	49
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	53
Licensed Practical Nurses	57

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GREENSVILLE MEMORIAL HOSPITAL

Medicare Provider Number: 490097

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,061	9.9	11.3	1.2	14.1	16.3	1.6	17.1	20.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	62	25.8	32.3	12.7	30.6	36.2	12.9	33.9	40.4	12.4
Congestive Heart Failure	78	14.1	13.7	5.7	25.6	21.7	9.5	32.1	28.1	9.0
Pneumonia/Influenza	75	10.7	16.3	8.3	16.0	21.8	7.7	22.7	26.3	6.7
Chronic Obstructive Pulmonary Disease	13	0.0	4.4	*	0.0	9.1	*	15.4	13.5	*
Transient Cerebral Ischemia	17	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke	54	11.1	21.8	7.8	22.2	28.0	10.3	22.2	32.9	8.7
Hip Fracture	15	6.7	6.2	*	26.7	11.5	*	33.3	14.9	*
Sepsis	13	15.4	30.0	*	23.1	37.0	*	23.1	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.1	*	11.1	7.0	*	22.2	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	5.2	*	25.0	10.2	*	37.5	13.4	*
Open Reduction of Hip Fracture	7	14.3	5.8	*	28.6	11.3	*	28.6	15.1	*
Prostatectomy	2	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*
Cholecystectomy	12	0.0	3.9	*	0.0	7.0	*	8.3	9.1	*
Hysterectomy	1	0.0	6.4	*	0.0	14.2	*	0.0	21.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	978	10.4	11.0	1.5	15.6	15.8	1.6	19.8	19.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	53	30.2	37.2	12.1	34.0	41.1	12.6	37.7	45.3	12.6
Congestive Heart Failure	66	12.1	13.9	4.8	15.2	21.5	7.8	24.2	28.0	8.6
Pneumonia/Influenza	56	14.3	15.0	4.9	19.6	20.1	5.4	21.4	24.7	7.4
Chronic Obstructive Pulmonary Disease	5	20.0	7.0	*	20.0	14.2	*	20.0	20.5	*
Transient Cerebral Ischemia	16	6.3	1.6	*	6.3	3.3	*	6.3	5.3	*
Stroke	51	21.6	21.5	5.9	29.4	27.5	7.7	37.3	32.2	10.4
Hip Fracture	18	22.2	8.2	*	22.2	14.2	*	22.2	17.8	*
Sepsis	19	10.5	27.7	*	15.8	36.4	*	31.6	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	10.9	*	0.0	14.9	*	0.0	18.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	6.0	*	20.0	11.3	*	20.0	14.6	*
Open Reduction of Hip Fracture	9	22.2	8.0	*	22.2	14.4	*	22.2	18.4	*
Prostatectomy	0									
Cholecystectomy	9	11.1	3.3	*	11.1	5.1	*	11.1	6.2	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HALIFAX COMMUNITY HOSPITAL

P O Box 310
South Boston, VA 24592

Medicare Provider Number: 490013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,505	10.8	9.2	1.0	15.1	13.8	1.1	17.9	17.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	36	30.6	28.1	*	38.9	31.7	*	47.2	35.4	*
Congestive Heart Failure	73	26.0	15.0	6.8	31.5	23.9	6.4	35.6	30.9	6.2
Pneumonia/Influenza	88	12.5	15.6	4.7	21.6	21.4	5.0	26.1	25.8	5.7
Chronic Obstructive Pulmonary Disease	23	8.7	6.7	*	17.4	11.4	*	26.1	15.7	*
Transient Cerebral Ischemia	42	0.0	1.5	*	0.0	3.3	*	0.0	5.2	*
Stroke	63	19.0	20.6	7.9	27.0	27.0	9.1	30.2	31.5	6.6
Hip Fracture	40	5.0	6.6	*	10.0	11.8	*	15.0	15.2	*
Sepsis	22	27.3	20.6	*	27.3	26.9	*	27.3	32.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	4.8	4.5	*	4.8	8.5	*	9.5	11.3	*
Open Reduction of Hip Fracture	14	7.1	7.7	*	21.4	13.9	*	28.6	17.7	*
Prostatectomy	31	3.2	1.5	*	3.2	2.9	*	3.2	4.2	*
Cholecystectomy	16	0.0	1.7	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	11	0.0	0.5	*	0.0	1.0	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	192
Occupancy Rate	(Not Available)
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	46
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	89
Licensed Practical Nurses	79

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HALIFAX COMMUNITY HOSPITAL

Medicare Provider Number: 490013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,475	9.6	9.3	0.8	15.5	13.7	1.5	19.1	17.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	49	20.4	29.5	*	24.5	33.0	*	28.6	36.6	*
Congestive Heart Failure	78	19.2	15.1	9.1	30.8	23.1	9.7	34.6	29.9	10.9
Pneumonia/Influenza	91	23.1	17.6	7.8	30.8	24.1	7.8	36.3	29.1	8.4
Chronic Obstructive Pulmonary Disease	28	10.7	8.5	*	17.9	14.5	*	21.4	19.6	*
Transient Cerebral Ischemia	28	0.0	1.9	*	3.6	4.3	*	3.6	6.8	*
Stroke	62	22.6	22.2	5.4	32.3	28.5	6.7	37.1	33.2	8.1
Hip Fracture	38	10.5	7.4	*	21.1	13.4	*	28.9	17.1	*
Sepsis	8	12.5	27.2	*	37.5	35.2	*	37.5	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.9	*	0.0	3.2	*	0.0	4.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	16.7	5.3	*	27.8	10.1	*	44.4	13.4	*
Open Reduction of Hip Fracture	12	0.0	7.1	*	8.3	13.4	*	16.7	17.5	*
Prostatectomy	14	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	23	0.0	1.9	*	0.0	3.1	*	4.3	4.0	*
Hysterectomy	13	0.0	0.5	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,473	9.3	9.0	0.9	14.1	13.5	1.0	17.0	17.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	46	19.6	30.3	*	19.6	33.2	*	21.7	36.5	*
Congestive Heart Failure	87	19.5	15.4	7.8	27.6	23.5	7.6	32.2	30.2	6.8
Pneumonia/Influenza	75	22.7	19.2	5.6	29.3	26.4	7.1	34.7	31.8	7.1
Chronic Obstructive Pulmonary Disease	15	6.7	9.1	*	20.0	15.5	*	33.3	20.4	*
Transient Cerebral Ischemia	21	0.0	1.9	*	14.3	4.1	*	19.0	6.6	*
Stroke	54	31.5	21.8	9.7	40.7	27.9	9.7	42.6	32.4	8.5
Hip Fracture	45	2.2	6.6	*	4.4	11.9	*	8.9	15.6	*
Sepsis	17	23.5	29.2	*	29.4	36.9	*	35.3	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	7.2	*	0.0	10.5	*	0.0	13.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	5.3	*	7.1	9.7	*	7.1	12.7	*
Open Reduction of Hip Fracture	21	0.0	5.8	*	0.0	11.4	*	9.5	15.5	*
Prostatectomy	21	4.8	1.1	*	4.8	2.9	*	4.8	5.0	*
Cholecystectomy	23	8.7	4.6	*	8.7	8.0	*	8.7	10.1	*
Hysterectomy	19	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HCA CHIPPENHAM HOSPITAL

7101 Jahnke Road
Richmond, VA 23225

Medicare Provider Number: 490112

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,823	9.2	8.2	0.7	13.0	12.3	0.8	16.3	15.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	103	21.4	25.3	5.6	23.3	28.4	5.8	27.2	31.7	5.7
Congestive Heart Failure	138	19.6	15.5	4.7	28.3	23.8	4.4	31.2	30.6	3.9
Pneumonia/Influenza	87	23.0	18.3	6.7	26.4	24.6	5.7	31.0	29.5	5.4
Chronic Obstructive Pulmonary Disease	3	33.3	18.8	*	33.3	25.4	*	33.3	30.1	*
Transient Cerebral Ischemia	61	0.0	1.5	2.1	3.3	3.4	2.5	4.9	5.3	3.0
Stroke	119	16.8	19.4	4.7	26.1	26.0	6.8	31.1	30.4	5.5
Hip Fracture	65	10.8	6.3	4.8	13.8	11.4	5.6	18.5	14.8	6.5
Sepsis	26	34.6	28.8	*	38.5	36.1	*	42.3	42.6	*
PROCEDURES:										
Angioplasty	54	3.7	3.3	2.8	3.7	4.2	3.1	7.4	5.3	4.0
Coronary Artery Bypass Graft	91	3.3	5.1	3.5	3.3	7.4	4.6	4.4	8.8	5.0
Initial Pacemaker Insertion	22	4.5	4.9	*	4.5	8.6	*	13.6	11.8	*
Carotid Endarterectomy	14	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	52	1.9	2.5	2.4	1.9	4.9	3.8	1.9	6.6	4.8
Open Reduction of Hip Fracture	12	16.7	5.9	*	25.0	11.1	*	33.3	14.7	*
Prostatectomy	85	3.5	1.2	2.6	4.7	2.4	2.7	4.7	3.8	2.2
Cholecystectomy	44	4.5	4.3	*	6.8	6.7	*	13.6	8.3	*
Hysterectomy	24	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	470
Occupancy Rate	62
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	233
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	6
Registered Nurses	458
Licensed Practical Nurses	60

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HCA CHIPPENHAM HOSPITAL

Medicare Provider Number: 490112

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,783	7.6	7.5	0.5	11.4	11.4	0.7	15.1	14.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	90	20.0	26.5	7.5	23.3	29.9	8.6	25.6	33.5	9.5
Congestive Heart Failure	139	17.3	15.5	3.3	22.3	23.7	4.0	31.7	30.6	4.1
Pneumonia/Influenza	61	13.1	14.9	7.2	14.8	20.0	7.0	23.0	24.3	5.7
Chronic Obstructive Pulmonary Disease	8	12.5	6.3	*	25.0	11.3	*	25.0	16.3	*
Transient Cerebral Ischemia	69	0.0	1.8	*	0.0	3.9	*	0.0	6.0	*
Stroke	105	22.9	22.5	4.5	36.2	28.9	5.7	41.0	33.3	7.1
Hip Fracture	58	6.9	6.1	3.5	12.1	11.3	5.2	13.8	14.8	6.5
Sepsis	26	30.8	23.5	*	38.5	31.2	*	38.5	36.9	*
PROCEDURES:										
Angioplasty	73	2.7	3.6	2.2	4.1	4.7	2.5	5.5	5.8	2.7
Coronary Artery Bypass Graft	85	3.5	6.0	3.5	8.2	8.3	3.7	8.2	9.7	3.5
Initial Pacemaker Insertion	16	0.0	3.1	*	0.0	6.3	*	12.5	9.4	*
Carotid Endarterectomy	12	0.0	1.1	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	32	6.3	2.9	*	9.4	5.6	*	9.4	7.6	*
Open Reduction of Hip Fracture	14	7.1	5.4	*	21.4	10.2	*	28.6	13.3	*
Prostatectomy	75	1.3	0.9	2.2	1.3	2.1	4.4	8.0	3.4	3.2
Cholecystectomy	39	5.1	2.5	*	5.1	4.4	*	5.1	5.9	*
Hysterectomy	21	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,702	7.5	7.8	0.5	11.9	11.7	0.6	15.2	14.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	102	21.6	24.8	5.7	23.5	27.9	5.9	28.4	31.2	5.5
Congestive Heart Failure	118	16.9	16.7	3.5	24.6	25.5	4.1	32.2	32.6	4.4
Pneumonia/Influenza	67	7.5	16.7	6.4	20.9	22.3	5.1	26.9	26.9	5.4
Chronic Obstructive Pulmonary Disease	10	20.0	13.9	*	40.0	22.1	*	40.0	28.0	*
Transient Cerebral Ischemia	50	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Stroke	87	26.4	22.1	7.1	32.2	29.1	9.3	35.6	33.5	7.0
Hip Fracture	62	4.8	6.2	3.3	11.3	11.6	4.2	16.1	15.2	5.8
Sepsis	18	38.9	34.1	*	50.0	42.3	*	50.0	49.1	*
PROCEDURES:										
Angioplasty	51	2.0	4.6	3.7	3.9	5.9	3.9	5.9	7.3	4.0
Coronary Artery Bypass Graft	78	5.1	6.2	3.7	6.4	8.7	4.8	6.4	10.1	5.2
Initial Pacemaker Insertion	24	8.3	3.6	*	12.5	6.8	*	12.5	9.6	*
Carotid Endarterectomy	15	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	39	2.6	2.2	*	2.6	4.4	*	5.1	5.9	*
Open Reduction of Hip Fracture	15	0.0	5.0	*	6.7	9.9	*	6.7	13.3	*
Prostatectomy	90	1.1	1.0	1.0	4.4	2.4	2.6	4.4	4.0	2.2
Cholecystectomy	35	5.7	3.1	*	8.6	5.0	*	8.6	6.1	*
Hysterectomy	18	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HCA JOHNSTON-WILLIS HOSPITAL

1401 Johnston-Willis Dr
Richmond, VA 23235

Medicare Provider Number: 490028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,080	9.0	9.0	0.7	14.3	14.1	1.1	17.9	18.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	59	20.3	32.6	11.4	27.1	36.3	11.8	28.8	40.3	10.9
Congestive Heart Failure	91	22.0	17.8	5.8	30.8	27.3	5.5	38.5	34.8	6.0
Pneumonia/Influenza	60	15.0	14.8	5.7	15.0	20.2	8.0	18.3	24.7	10.8
Chronic Obstructive Pulmonary Disease	32	9.4	6.3	*	12.5	11.9	*	15.6	16.8	*
Transient Cerebral Ischemia	51	3.9	1.6	2.7	3.9	3.6	3.1	3.9	5.8	4.5
Stroke	81	14.8	20.1	8.6	23.5	26.7	10.2	27.2	31.2	7.7
Hip Fracture	51	7.8	5.8	4.1	13.7	10.6	6.7	19.6	13.9	9.5
Sepsis	19	15.8	24.8	*	21.1	30.7	*	26.3	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.0	*	14.3	8.5	*	14.3	12.9	*
Carotid Endarterectomy	11	0.0	1.4	*	9.1	2.5	*	9.1	3.7	*
Hip Replacement/Reconstruction	41	7.3	3.3	*	7.3	6.0	*	12.2	7.9	*
Open Reduction of Hip Fracture	4	25.0	5.5	*	25.0	11.0	*	25.0	15.1	*
Prostatectomy	64	0.0	0.9	1.5	1.6	2.1	1.9	3.1	3.6	2.5
Cholecystectomy	38	5.3	3.1	*	5.3	5.5	*	5.3	7.3	*
Hysterectomy	6	16.7	1.7	*	16.7	4.3	*	16.7	7.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	253
Occupancy Rate	64
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	195
Percent of Physicians Board Certified Specialists	97
Medical Residents/Interns	18
Registered Nurses	256
Licensed Practical Nurses	47

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

HCA JOHNSTON-WILLIS HOSPITAL

Medicare Provider Number: 490028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,965	8.6	9.0	1.0	13.8	14.1	1.1	17.8	18.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	53	18.9	26.5	11.6	22.6	29.9	12.0	26.4	33.8	12.8
Congestive Heart Failure	95	16.8	15.5	4.3	24.2	23.5	4.8	29.5	30.2	5.7
Pneumonia/Influenza	73	13.7	15.9	4.7	21.9	21.4	6.7	26.0	25.8	5.5
Chronic Obstructive Pulmonary Disease	23	8.7	6.1	*	8.7	11.7	*	8.7	16.6	*
Transient Cerebral Ischemia	57	3.5	2.2	2.1	5.3	4.9	5.4	14.0	7.7	5.9
Stroke	82	13.4	22.8	10.1	20.7	29.0	10.5	25.6	33.6	10.4
Hip Fracture	50	6.0	6.2	*	12.0	11.2	*	14.0	14.5	*
Sepsis	14	35.7	30.8	*	42.9	39.9	*	42.9	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	4.9	*	0.0	7.7	*	0.0	10.4	*
Carotid Endarterectomy	9	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	28	0.0	3.0	*	7.1	5.9	*	7.1	8.0	*
Open Reduction of Hip Fracture	20	10.0	6.0	*	20.0	11.3	*	25.0	15.0	*
Prostatectomy	65	0.0	0.9	1.3	0.0	2.2	2.4	1.5	3.8	3.0
Cholecystectomy	37	2.7	2.3	*	2.7	4.4	*	5.4	5.9	*
Hysterectomy	13	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,778	8.3	9.4	0.8	13.2	14.6	1.0	17.7	18.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	58	15.5	27.1	9.0	19.0	30.4	9.5	22.4	34.0	9.8
Congestive Heart Failure	75	17.3	17.1	4.9	30.7	25.5	6.3	33.3	32.3	6.8
Pneumonia/Influenza	77	13.0	15.8	4.7	20.8	21.3	5.0	29.9	26.1	6.2
Chronic Obstructive Pulmonary Disease	17	5.9	6.9	*	11.8	12.8	*	17.6	17.7	*
Transient Cerebral Ischemia	51	0.0	1.9	2.4	0.0	4.0	4.1	2.0	6.4	4.6
Stroke	77	14.3	21.2	8.6	16.9	27.1	9.5	24.7	31.5	8.5
Hip Fracture	43	7.0	6.4	*	14.0	12.2	*	16.3	16.1	*
Sepsis	10	40.0	37.7	*	50.0	45.5	*	60.0	52.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	7.9	*	0.0	13.6	*	10.0	17.7	*
Carotid Endarterectomy	8	0.0	2.0	*	0.0	4.5	*	0.0	7.1	*
Hip Replacement/Reconstruction	26	7.7	3.9	*	15.4	8.1	*	15.4	11.5	*
Open Reduction of Hip Fracture	13	7.7	5.6	*	7.7	10.9	*	15.4	14.5	*
Prostatectomy	67	0.0	1.3	1.9	6.0	3.2	3.2	6.0	5.5	3.4
Cholecystectomy	36	5.6	3.1	*	5.6	4.9	*	5.6	6.2	*
Hysterectomy	7	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HCA Johnston-Willis
Hospital

January 14, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

The information that you extracted from the American Hospital Association Annual Survey of Hospitals-1989 is inaccurate. Since 1980, when Johnston-Willis was moved to its current location, the hospital has been licensed for 292 beds. I have enclosed a copy of the hospital's 1991 license to verify this statistic.

Please verify in writing to me that you have corrected your data. If you have any questions, please call me (804-330-2007).

Thank you.

Sincerely,

R. Chris Darling
Assistant Administrator

/sbc
Enclosure
cc: W. S. Lyne
Robert A. Rhodes III
Jill Fainter

1401 Johnston-Willis Drive
Richmond, Virginia 23235-4789
Telephone (804) 330-2000
Virginia Toll Free 1-800-468-6620
An affiliate of HCA Hospital Corporation of America

COMMONWEALTH of VIRGINIA

C. M. G. BUTTERY, M.D., M.P.H.
STATE HEALTH COMMISSIONER

Department of Health
Richmond, Virginia 23219

December 11, 1990

received
12-14-90

Wickliffe S. Lyne
Administrator
Johnston-Willis Hospital
1407 Johnston-Willis Drive
Richmond, VA 23235-4789

Dear Mr. Lyne:

Enclosed is Hospital License Number H 253 to operate for the period beginning January 1, 1991 and ending December 31, 1991 for a total bed capacity of 292 beds.

Any changes occurring during the calendar year 1991 which would affect the accuracy of the information provided on the renewal application form must be reported, in writing, to this office.

Sincerely,

Mary V. Francis
Director
Division of Licensure and Certification

MVF/rlg

Enclosure

HCA LEWIS-GALE HOSPITAL

1900 Electric Road
Salem, VA 24153

Medicare Provider Number: 490048

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,381	7.6	8.6	0.6	12.5	13.3	0.7	16.1	17.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	110	22.7	25.6	5.0	26.4	28.8	4.7	28.2	32.0	5.7
Congestive Heart Failure	176	13.1	15.6	4.6	19.3	23.9	6.5	26.1	30.7	7.7
Pneumonia/Influenza	170	18.2	16.8	3.4	25.9	22.7	5.0	28.8	27.4	4.3
Chronic Obstructive Pulmonary Disease	32	6.3	5.3	*	6.3	9.9	*	9.4	14.1	*
Transient Cerebral Ischemia	35	0.0	2.1	*	2.9	4.5	*	2.9	7.1	*
Stroke	125	12.8	20.6	4.3	24.8	27.1	4.1	33.6	31.6	4.7
Hip Fracture	90	2.2	6.8	4.1	5.6	12.1	6.1	8.9	15.8	6.2
Sepsis	45	20.0	29.0	*	35.6	37.2	*	48.9	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	10.5	4.3	*	10.5	6.9	*	10.5	9.5	*
Carotid Endarterectomy	19	0.0	1.5	*	0.0	2.7	*	0.0	3.8	*
Hip Replacement/Reconstruction	84	1.2	3.6	3.0	2.4	6.5	4.5	4.8	8.7	4.5
Open Reduction of Hip Fracture	35	5.7	6.6	*	11.4	12.2	*	14.3	15.8	*
Prostatectomy	88	1.1	1.1	1.4	2.3	2.6	2.1	3.4	4.3	2.5
Cholecystectomy	98	2.0	3.7	2.7	3.1	6.4	4.5	4.1	8.0	5.1
Hysterectomy	25	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	322
Occupancy Rate	72
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	374
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	211
Licensed Practical Nurses	49

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HCA LEWIS-GALE HOSPITAL

Medicare Provider Number: 490048

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,398	7.7	8.4	0.6	11.5	13.0	0.8	14.9	16.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	97	26.8	26.8	7.8	30.9	30.4	7.3	34.0	33.9	5.6
Congestive Heart Failure	173	11.6	16.0	5.1	19.1	24.0	6.7	25.4	30.7	6.4
Pneumonia/Influenza	132	16.7	17.6	3.5	22.0	23.4	3.8	23.5	27.9	4.9
Chronic Obstructive Pulmonary Disease	42	9.5	6.1	*	11.9	11.5	*	23.8	16.4	*
Transient Cerebral Ischemia	42	0.0	1.8	*	0.0	3.9	*	0.0	6.1	*
Stroke	119	19.3	22.8	4.3	26.9	29.1	4.3	35.3	33.6	4.5
Hip Fracture	84	3.6	7.0	5.3	8.3	12.6	6.5	13.1	16.0	5.9
Sepsis	43	32.6	30.2	*	44.2	38.0	*	44.2	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	31	6.5	4.4	*	9.7	8.4	*	12.9	12.3	*
Carotid Endarterectomy	16	0.0	1.8	*	0.0	3.4	*	6.3	4.9	*
Hip Replacement/Reconstruction	73	1.4	2.6	2.2	2.7	4.9	3.5	2.7	6.7	4.0
Open Reduction of Hip Fracture	43	4.7	6.6	*	11.6	12.2	*	16.3	15.8	*
Prostatectomy	98	0.0	1.1	1.4	0.0	2.5	2.7	2.0	4.1	2.6
Cholecystectomy	56	5.4	3.9	3.2	7.1	6.8	6.6	10.7	8.4	8.1
Hysterectomy	15	0.0	1.3	*	0.0	2.7	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,150	7.6	8.4	0.8	12.1	12.9	0.9	15.7	16.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	100	26.0	28.1	5.0	31.0	31.7	5.1	33.0	35.4	5.2
Congestive Heart Failure	144	11.1	16.6	6.1	18.8	24.9	6.8	27.1	31.8	6.5
Pneumonia/Influenza	116	15.5	17.8	4.6	25.0	24.0	5.4	29.3	29.0	5.2
Chronic Obstructive Pulmonary Disease	38	7.9	6.8	*	15.8	12.2	*	21.1	17.2	*
Transient Cerebral Ischemia	50	0.0	1.8	*	2.0	3.8	*	2.0	5.9	*
Stroke	129	19.4	21.3	4.6	30.2	27.9	5.4	34.1	32.4	5.0
Hip Fracture	86	4.7	6.6	4.5	8.1	12.2	6.5	11.6	15.9	7.4
Sepsis	43	27.9	25.5	*	30.2	33.5	*	32.6	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	0.0	2.8	*	10.7	5.9	*	10.7	9.0	*
Carotid Endarterectomy	23	0.0	2.1	*	0.0	4.0	*	0.0	5.8	*
Hip Replacement/Reconstruction	69	4.3	3.0	2.4	5.8	5.6	3.3	5.8	7.4	4.2
Open Reduction of Hip Fracture	40	5.0	5.9	*	10.0	11.4	*	15.0	15.1	*
Prostatectomy	81	1.2	1.5	1.4	2.5	3.4	2.2	2.5	5.5	3.6
Cholecystectomy	59	1.7	4.1	3.3	6.8	7.1	3.7	8.5	9.1	3.8
Hysterectomy	14	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HCA Lewis-Gale Hospital

Medicare Provider #490048

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Reference: Department of Health and Human Services Letter 12/6/90

Dear Mrs. Kappert:

After thoroughly reviewing the HHS Mortality Report for 1989, we herewith report the following errors in the report:

PAGE #	PATIENT ID	DISCREPANCY
Page 4	[redacted]	Principal Diagnosis Code listed as 558.9. Correct Code - 112.89
	[redacted]	Principal Diagnosis Code listed as 557.1. Correct Code - 934.8
Page 21	[redacted]	Principal Diagnosis Code listed as 560.a. Correct Code - 199.0
	[redacted]	Principal Diagnosis Code listed as 996.83. Correct Code - 410.1
	[redacted]	Principal Diagnosis Code listed as 225.9. Correct Code - 237.0
Page 24	[redacted]	Principal Diagnosis Code listed as 508.0. Correct Code - 508.1

1900 Electric Road
Salem, Virginia 24153
Telephone (703) 989-4261
A subsidiary of HCA

Page 24	[redacted]	Principal Diagnosis Code listed as 511.9. Correct Code - 510.0
	[redacted]	Principal Diagnosis Code listed as 466.0. Correct Code - 038.8
Page 27	[redacted]	Admission Date listed - 5/1/89. Correct Date - 4/29/89
Page 28	[redacted]	Principal Diagnosis Code listed as 276.5. Correct Code - 486.
Page 37	[redacted]	Discharge Listed - 1/18/89. Correct Date - 1/19/89
	[redacted]	Principal Diagnosis Code listed as 780.9. Correct Code - 991.6
Page 43	[redacted]	Admission Date Listed - 3/23/89 Correct Date - 3/28/89
Page 55	[redacted]	Principal Diagnosis Code listed as 557.0. Correct Code - 429.2.
Page 61	[redacted]	[redacted]
Page 76	[redacted]	Principal Diagnosis Code listed as 441.3. Correct Code - 410.9.

Please include this letter in your "comment" section.

Very sincerely,

Karl N. Miller
President

KNM/h

HENRICO DOCTORS HOSPITAL

1602 Skipwith Rd
Richmond, VA 23229

Medicare Provider Number: 490118

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,966	5.4	6.3	0.6	9.2	10.0	0.9	11.7	12.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	58	22.4	27.7	9.7	27.6	31.5	9.4	31.0	35.2	9.5
Congestive Heart Failure	131	11.5	13.7	3.8	16.8	21.2	5.7	21.4	27.6	7.5
Pneumonia/Influenza	94	9.6	16.3	6.2	17.0	22.2	7.5	21.3	26.8	6.4
Chronic Obstructive Pulmonary Disease	36	11.1	6.4	*	22.2	12.0	*	27.8	16.9	*
Transient Cerebral Ischemia	61	4.9	1.7	3.1	4.9	3.8	2.8	4.9	6.1	3.9
Stroke	87	20.7	19.3	4.5	26.4	25.2	4.8	31.0	29.4	5.8
Hip Fracture	42	2.4	6.4	*	2.4	11.3	*	7.1	14.6	*
Sepsis	13	38.5	31.7	*	46.2	40.1	*	46.2	47.5	*
PROCEDURES:										
Angioplasty	88	3.4	2.7	3.2	5.7	3.9	3.8	6.8	5.1	4.1
Coronary Artery Bypass Graft	140	4.3	4.9	2.5	5.0	7.6	3.1	5.0	9.5	3.5
Initial Pacemaker Insertion	22	4.5	1.9	*	9.1	4.1	*	9.1	6.4	*
Carotid Endarterectomy	20	0.0	1.2	*	15.0	2.3	*	15.0	3.3	*
Hip Replacement/Reconstruction	83	0.0	1.3	*	0.0	2.2	*	0.0	2.9	*
Open Reduction of Hip Fracture	25	4.0	5.6	*	4.0	10.6	*	12.0	14.1	*
Prostatectomy	76	1.3	0.8	1.1	1.3	1.8	1.6	2.6	3.2	2.2
Cholecystectomy	36	0.0	2.2	*	5.6	3.6	*	5.6	4.6	*
Hysterectomy	28	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	312
Occupancy Rate	76
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	355
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	528
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HENRICO DOCTORS HOSPITAL

Medicare Provider Number: 490118

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,876	5.7	6.8	0.6	9.5	10.4	0.9	11.8	13.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	69	23.2	28.4	8.4	30.4	32.2	9.9	30.4	36.0	10.5
Congestive Heart Failure	132	14.4	15.8	3.5	23.5	24.2	5.5	29.5	31.1	4.7
Pneumonia/Influenza	62	9.7	14.9	5.4	21.0	20.1	5.3	21.0	24.3	6.6
Chronic Obstructive Pulmonary Disease	35	2.9	5.5	*	2.9	10.2	*	5.7	14.5	*
Transient Cerebral Ischemia	52	3.8	2.0	2.5	3.8	4.4	3.0	5.8	6.9	3.9
Stroke	80	23.7	20.7	9.7	35.0	27.2	10.7	40.0	31.8	11.3
Hip Fracture	49	6.1	6.3	*	10.2	11.6	*	12.2	14.8	*
Sepsis	13	23.1	28.4	*	23.1	33.6	*	23.1	38.2	*
PROCEDURES:										
Angioplasty	70	1.4	3.4	2.3	1.4	4.5	2.7	2.9	5.6	3.0
Coronary Artery Bypass Graft	135	3.0	5.7	2.9	4.4	8.7	3.9	5.9	10.7	4.5
Initial Pacemaker Insertion	17	5.9	3.0	*	11.8	5.9	*	11.8	8.5	*
Carotid Endarterectomy	19	0.0	1.3	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	80	2.5	2.0	1.8	3.8	3.7	2.1	5.0	5.0	2.5
Open Reduction of Hip Fracture	19	0.0	6.1	*	0.0	11.5	*	0.0	15.0	*
Prostatectomy	80	0.0	0.9	1.5	3.8	2.2	2.1	3.8	3.5	2.4
Cholecystectomy	47	8.5	3.1	*	14.9	5.6	*	14.9	7.3	*
Hysterectomy	26	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,553	6.1	6.3	0.6	9.4	9.9	0.7	12.0	12.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	64	28.1	27.0	5.7	28.1	30.4	6.2	29.7	33.8	8.0
Congestive Heart Failure	132	15.9	16.6	3.7	24.2	25.1	4.0	31.8	32.0	4.2
Pneumonia/Influenza	75	10.7	16.3	8.1	14.7	21.9	9.9	18.7	26.5	10.4
Chronic Obstructive Pulmonary Disease	27	7.4	7.0	*	22.2	13.0	*	25.9	18.2	*
Transient Cerebral Ischemia	54	1.9	1.8	3.4	3.7	3.9	4.5	7.4	6.1	3.5
Stroke	71	22.5	19.4	6.8	26.8	26.5	7.4	28.2	31.2	8.9
Hip Fracture	33	0.0	6.4	*	3.0	11.8	*	6.1	15.3	*
Sepsis	8	50.0	33.5	*	50.0	41.5	*	50.0	48.4	*
PROCEDURES:										
Angioplasty	36	2.8	2.6	*	2.8	3.6	*	2.8	4.6	*
Coronary Artery Bypass Graft	119	1.7	5.0	2.6	1.7	7.4	3.4	2.5	8.8	3.8
Initial Pacemaker Insertion	30	6.7	2.8	*	6.7	5.7	*	6.7	8.6	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	69	0.0	1.5	2.0	1.4	3.0	2.4	1.4	4.2	3.3
Open Reduction of Hip Fracture	19	0.0	5.9	*	0.0	11.3	*	5.3	14.8	*
Prostatectomy	95	1.1	0.9	1.3	3.2	2.1	2.2	4.2	3.4	3.2
Cholecystectomy	42	2.4	2.6	*	4.8	4.5	*	4.8	6.0	*
Hysterectomy	22	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HIRIAM DAVIS MEMORIAL HOSPITAL

P O Box 4030
Petersburg, VA 23803

Medicare Provider Number: 490104

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	154	0.6	3.5	1.7	1.3	5.7	2.2	1.9	7.5	2.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	8	0.0	13.3	*	0.0	17.6	*	0.0	21.3	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	2	0.0	28.6	*	0.0	35.5	*	0.0	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	87
Ownership/Control	State Government

STAFFING:

Medical Residents/Interns	0
Registered Nurses	9
Licensed Practical Nurses	3

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

HIRIAM DAVIS MEMORIAL HOSPITAL

Medicare Provider Number: 490104

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	129	3.1	4.9	2.9	5.4	7.7	3.2	7.8	9.9	3.4
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	64.9	*	0.0	85.2	*	0.0	92.5	*
Pneumonia/Influenza	9	11.1	11.6	*	22.2	15.5	*	22.2	18.9	*
Chronic Obstructive Pulmonary Disease	1	0.0	8.9	*	0.0	18.7	*	0.0	27.6	*
Transient Cerebral Ischemia	0									
Stroke	1	0.0	19.6	*	0.0	28.7	*	0.0	34.1	*
Hip Fracture	0									
Sepsis	3	33.3	37.1	*	66.7	44.5	*	66.7	53.0	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	130	4.6	8.2	3.5	7.7	11.5	4.1	8.5	14.1	5.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	2	0.0	22.3	*	0.0	31.6	*	0.0	39.0	*
Pneumonia/Influenza	7	14.3	18.3	*	14.3	24.1	*	14.3	28.9	*
Chronic Obstructive Pulmonary Disease	2	0.0	9.5	*	50.0	16.5	*	50.0	22.2	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	7	14.3	36.3	*	14.3	43.8	*	14.3	51.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COMMONWEALTH of VIRGINIA

DEPARTMENT OF
MENTAL HEALTH, MENTAL RETARDATION
AND
SUBSTANCE ABUSE SERVICES

HIRAM W. DAVIS MEDICAL CENTER
P.O. BOX 4030
PETERSBURG, VIRGINIA 23803

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra K. Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

REF: Medicare Provider No. 490104
Hiram W. Davis Medical Center

Dear Mrs. Kappert:

Comment is provided on the Medicare Hospital Mortality Information Data for Hiram W. Davis Medical Center as follows:

1) The Hospital name needs to be corrected on the report.

2) In the Hospital Characteristics Section, the Total Number of Beds is shown as 87. This number includes 60 certified as a Skilled Nursing Facility and 10 beds certified as an Intermediate Care Facility. The Hospital is certified for 17 beds only. The staffing as of September 30, 1989 should reflect 6 Registered Nurses and 2 Licensed Practical Nurses for the Hospital Certified 17 beds only.

3) There are occasions in Enclosure D when the Register Number is lacking or when there is inaccuracy in the health insurance claim number or the age.

4) It is to be noted that four of the five deaths reflected on Enclosure D had been interward transfers between the General Medical Unit and the Skilled Nursing Care Unit within the facility. Subsequently, the diagnosis indicated is the Principal Diagnosis at the time of the interward transfer instead of the actual cause of death as reflected on the Death Certificate. It is supposed that this is related to one hospitalization being selected at random for each beneficiary in each year and the choosing of a specific hospitalization being necessary to avoid multiple counting if the same death for that year.

5) Patient [redacted] was not an interward transfer from the General Medical Unit to the Skilled Nursing Care Unit; the following information is provided:

Admitted to the General Medical Unit: 12/23/88
Expired in the General Medical Unit: 12/26/88
Principal Diagnosis for
Diagnostic Related Group Billing: Left Leg Phlebitis 451.2

Secondary Diagnosis: Terminal Liver Cancer 155.2
Ascites and Liver Failure 197.6-578.2

Cause of Death: Immediate Cause: Terminal Liver Cancinoma 155.2
Part II: Conditions contributing to Death, but not related to the terminal disease condition given in Part I: Left Leg Phlebitis 451.2
Ascites and Liver Failure 197.6-572.8
with Esophageal Varicosities 456.1

Should the report reflect the Principal Diagnosis for Diagnostic Related Group Assignment to meet Federal Guidelines or the Cause of Death from the actual Death Certificate?

Thank you for the opportunity to comment.

Sincerely,

D. Rosenquist

David A. Rosenquist
Director

DAR/nnl

HUMANA HOSPITAL BAYSIDE

800 Independence Blvd
Virginia Beach, VA 23455

Medicare Provider Number: 490119

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,487	8.2	8.8	0.9	13.1	13.5	1.1	17.0	17.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	29	13.8	29.2	*	17.2	32.2	*	24.1	35.5	*
Congestive Heart Failure	65	7.7	15.1	6.6	15.4	22.9	7.6	20.0	29.6	10.1
Pneumonia/Influenza	37	21.6	14.4	*	29.7	19.7	*	35.1	24.0	*
Chronic Obstructive Pulmonary Disease	29	13.8	9.2	*	17.2	16.1	*	20.7	21.8	*
Transient Cerebral Ischemia	27	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke	46	23.9	19.0	*	30.4	24.6	*	34.8	28.7	*
Hip Fracture	23	4.3	6.8	*	4.3	12.2	*	4.3	15.8	*
Sepsis	19	42.1	34.8	*	47.4	40.6	*	47.4	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.6	*	0.0	5.2	*	14.3	7.7	*
Carotid Endarterectomy	15	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	22	0.0	3.4	*	4.5	6.2	*	4.5	8.1	*
Open Reduction of Hip Fracture	10	10.0	6.3	*	10.0	11.7	*	10.0	15.3	*
Prostatectomy	48	0.0	0.6	*	2.1	1.4	*	2.1	2.4	*
Cholecystectomy	22	4.5	3.1	*	9.1	6.2	*	13.6	8.7	*
Hysterectomy	2	0.0	1.1	*	0.0	3.1	*	0.0	5.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	250
Occupancy Rate	42
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	163
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	129
Licensed Practical Nurses	44

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HUMANA HOSPITAL BAYSIDE

Medicare Provider Number: 490119

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,344	7.7	7.8	0.8	12.1	12.0	1.1	16.4	15.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	24	16.7	20.6	*	16.7	23.6	*	16.7	26.8	*
Congestive Heart Failure	58	10.3	15.4	8.1	19.0	23.5	7.8	24.1	30.3	8.0
Pneumonia/Influenza	36	19.4	19.3	*	19.4	25.6	*	25.0	30.4	*
Chronic Obstructive Pulmonary Disease	25	8.0	7.1	*	16.0	12.4	*	28.0	17.2	*
Transient Cerebral Ischemia	28	10.7	2.2	*	10.7	4.6	*	14.3	7.3	*
Stroke	39	25.6	22.0	*	30.8	28.5	*	41.0	33.0	*
Hip Fracture	25	20.0	6.9	*	28.0	12.5	*	32.0	16.1	*
Sepsis	6	16.7	27.1	*	50.0	34.5	*	50.0	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	5.1	*	0.0	7.3	*	0.0	9.4	*
Carotid Endarterectomy	13	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	20	15.0	3.1	*	20.0	6.1	*	20.0	8.0	*
Open Reduction of Hip Fracture	13	15.4	6.4	*	15.4	12.1	*	23.1	15.9	*
Prostatectomy	58	0.0	1.3	2.1	1.7	3.1	2.8	5.2	5.1	3.0
Cholecystectomy	18	5.6	3.2	*	11.1	6.3	*	11.1	8.7	*
Hysterectomy	2	0.0	0.6	*	0.0	1.2	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,319	9.7	8.3	1.3	13.8	12.5	1.3	17.0	15.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	30	23.3	26.1	*	33.3	30.1	*	33.3	33.6	*
Congestive Heart Failure	42	14.3	15.0	*	28.6	22.4	*	38.1	28.9	*
Pneumonia/Influenza	30	16.7	19.3	*	20.0	25.4	*	26.7	30.1	*
Chronic Obstructive Pulmonary Disease	19	21.1	12.2	*	21.1	19.4	*	26.3	24.7	*
Transient Cerebral Ischemia	35	2.9	1.6	*	2.9	3.3	*	2.9	5.1	*
Stroke	36	27.8	23.5	*	36.1	30.6	*	38.9	35.6	*
Hip Fracture	29	6.9	6.6	*	6.9	12.2	*	13.8	15.8	*
Sepsis	14	42.9	30.1	*	57.1	37.2	*	64.3	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	2.7	*	12.5	5.1	*	25.0	7.4	*
Carotid Endarterectomy	10	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	14	0.0	3.9	*	0.0	7.5	*	7.1	10.0	*
Open Reduction of Hip Fracture	19	10.5	5.9	*	10.5	11.4	*	15.8	15.2	*
Prostatectomy	46	2.2	1.6	*	8.7	3.7	*	8.7	5.8	*
Cholecystectomy	26	0.0	1.9	*	3.8	3.3	*	3.8	4.3	*
Hysterectomy	10	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

205.1

800 Independence Blvd
P O Box 5695
Virginia Beach, Virginia
23455-6076
Telephone 804 460-8000

**Humana Hospital
Bayside**

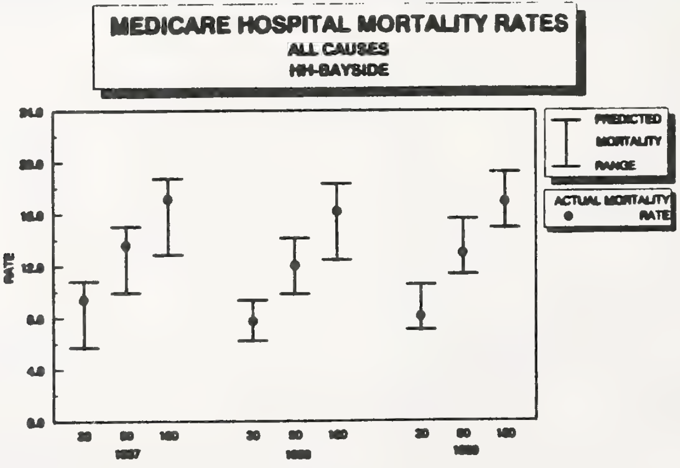
January 9, 1991

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Thank you for the opportunity to review and comment on the Medicare mortality rates you provided for Humana Hospital-Bayside. Since the mortality rates will be interpreted by the public, it is essential the data be easily understandable. Unfortunately, the presentation of the data in the format you provided is difficult to understand, and wrong conclusions may be reached by readers attempting to evaluate the hospital's observed rate against the predicted mortality rate.

For areas where a standard deviation has been provided, we urge that a predicted range be calculated and displayed as in past years. This would allow for much less potential error of interpretation. [To aid readers, in understanding the data for Humana Hospital-Bayside, we have computed a range for the "All Causes" category for the 30, 90 and 180-day intervals for 1987, 1988 and 1989. The range represents a 95% prediction interval using the technical information provided. The data are displayed graphically below.



SOURCE: HCFA - MEDICARE HOSPITAL MORTALITY INFORMATION 1987, 1988, 1989

The vertical lines represent the predicted ranges and the dot represents the hospital's observed rate.]

For some categories, observed and predicated mortality rates are published without an accompanying standard deviation. If the "the number of cases or deaths in any category is too small to permit satisfactory estimation of the standard deviation," it is also inappropriate to publish predicted rates in that category, due to the potential for misinterpretation.

We support the Health Care Financing Administration's continuing effort to provide reliable mortality data. Mortality rates are an important clinical indictor; however, they are not the sole element in evaluating patient care given in a hospital. At Humana Hospital-Bayside, we have established, in conjunction with our medical staff, an on-going, comprehensive quality management program.

Thank you again for the opportunity to review the data before publication. We hope you will give serious thought to our comments and not release the information to the public without modifying it to make it more meaningful and understandable.

Sincerely,

Jack Chapman

Jack Chapman
Executive Director
Humana Hospital-Bayside

/ljl
1201.91

HUMANA HOSPITAL CLINCH VALLEY

2949 W Front St
Richlands, VA 24641

Medicare Provider Number: 490060

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,151	5.5	6.1	0.9	8.9	9.4	1.0	11.6	12.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	36	33.3	22.2	*	36.1	24.8	*	36.1	27.8	*
Congestive Heart Failure	42	11.9	12.8	*	19.0	20.3	*	28.6	26.5	*
Pneumonia/Influenza	44	6.8	12.8	*	6.8	17.8	*	6.8	21.8	*
Chronic Obstructive Pulmonary Disease	42	0.0	3.4	*	4.8	6.9	*	7.1	10.2	*
Transient Cerebral Ischemia	10	0.0	1.6	*	0.0	3.2	*	10.0	5.0	*
Stroke	37	8.1	13.5	*	10.8	19.7	*	13.5	23.6	*
Hip Fracture	17	17.6	7.9	*	29.4	13.1	*	35.3	16.1	*
Sepsis	10	20.0	21.7	*	30.0	27.8	*	30.0	32.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	11.3	*	50.0	16.8	*	50.0	20.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	4.0	*	0.0	6.9	*	0.0	8.8	*
Open Reduction of Hip Fracture	9	22.2	5.4	*	33.3	9.6	*	44.4	12.2	*
Prostatectomy	28	0.0	1.3	*	0.0	2.5	*	3.6	3.8	*
Cholecystectomy	28	3.6	1.9	*	7.1	3.5	*	14.3	4.9	*
Hysterectomy	8	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	200
Occupancy Rate	53
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	58
Percent of Physicians Board Certified Specialists	52
Medical Residents/Interns	0
Registered Nurses	95
Licensed Practical Nurses	48

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HUMANA HOSPITAL CLINCH VALLEY

Medicare Provider Number: 490060

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,166	6.1	6.4	0.8	10.5	10.1	1.0	12.5	13.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	36	16.7	20.6	*	19.4	23.7	*	19.4	26.7	*
Congestive Heart Failure	36	13.9	13.9	*	25.0	22.1	*	25.0	29.0	*
Pneumonia/Influenza	48	6.3	11.3	*	8.3	15.6	*	10.4	19.2	*
Chronic Obstructive Pulmonary Disease	42	7.1	4.1	*	14.3	7.9	*	14.3	11.4	*
Transient Cerebral Ischemia	17	5.9	2.3	*	5.9	5.0	*	11.8	7.8	*
Stroke	24	8.3	14.1	*	12.5	19.8	*	12.5	23.8	*
Hip Fracture	14	0.0	5.0	*	0.0	8.9	*	0.0	11.5	*
Sepsis	5	40.0	29.4	*	40.0	36.2	*	40.0	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	6.9	*	20.0	9.2	*	20.0	11.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	2.8	*	0.0	5.5	*	0.0	7.4	*
Open Reduction of Hip Fracture	7	0.0	5.5	*	0.0	10.1	*	0.0	13.1	*
Prostatectomy	28	3.6	0.5	*	10.7	1.1	*	10.7	1.8	*
Cholecystectomy	14	0.0	1.9	*	14.3	3.5	*	14.3	4.8	*
Hysterectomy	10	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,166	5.3	6.2	0.9	8.6	9.6	1.0	11.7	12.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	40	25.0	27.9	*	27.5	31.2	*	32.5	34.6	*
Congestive Heart Failure	44	15.9	15.7	*	27.3	24.7	*	31.8	32.0	*
Pneumonia/Influenza	61	8.2	14.2	7.4	13.1	19.8	8.9	18.0	24.4	10.5
Chronic Obstructive Pulmonary Disease	51	7.8	4.6	4.1	15.7	8.8	7.1	17.6	12.7	7.9
Transient Cerebral Ischemia	29	0.0	1.8	*	3.4	4.0	*	10.3	6.3	*
Stroke	26	23.1	16.9	*	30.8	23.1	*	30.8	27.6	*
Hip Fracture	9	0.0	4.0	*	0.0	7.7	*	11.1	10.6	*
Sepsis	1	0.0	17.8	*	0.0	24.2	*	100.0	29.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.4	*	25.0	7.4	*	25.0	11.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.7	*	0.0	7.7	*	25.0	11.0	*
Open Reduction of Hip Fracture	5	0.0	3.0	*	0.0	5.8	*	0.0	7.8	*
Prostatectomy	15	0.0	0.6	*	0.0	1.4	*	6.7	2.4	*
Cholecystectomy	17	0.0	1.4	*	0.0	2.4	*	0.0	3.2	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Humana Hospital
Clinch Valley

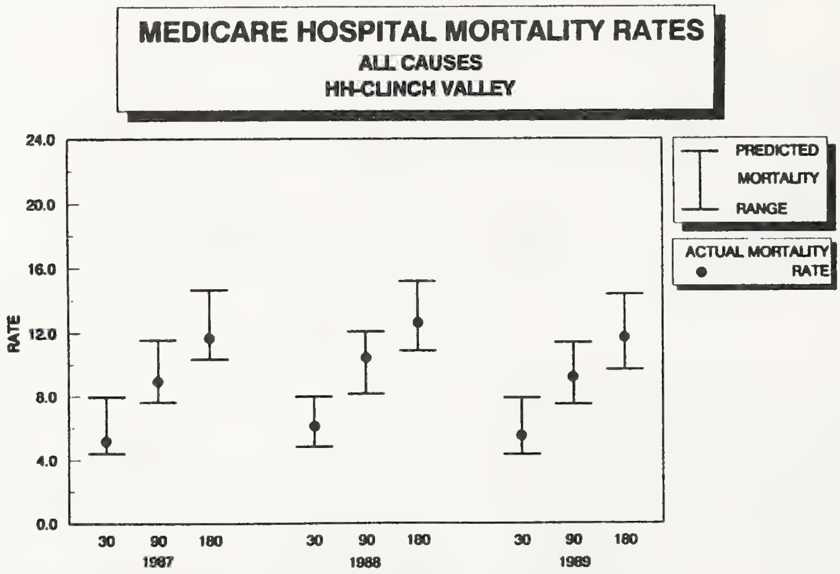
January 10, 1991　　　Medicare Provider # 490060

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

Thank you for the opportunity to review and comment on the Medicare mortality rates you provided for Humana Hospital-Clinch Valley. Since the mortality rates will be interpreted by the public, it is essential the data be easily understandable. Unfortunately, the presentation of the data in the format you provided is difficult to understand, and wrong conclusions may be reached by readers attempting to evaluate the hospital's observed rate against the predicted mortality rate.

For areas where a standard deviation has been provided, we urge that a predicted range be calculated and displayed as in past years. This would allow for much less potential error of interpretation. (To aid readers, in understanding the data for Humana Hospital-Clinch Valley, we have computed a range for "All Causes" category for the 30, 90 and 180-day intervals for 1987, 1988 and 1989. The range represents a 95% prediction interval using the technical information provided. The data are displayed graphically below.


MEDICARE HOSPITAL MORTALITY RATES
ALL CAUSES
HH-CLINCH VALLEY

SOURCE: HCFA - MEDICARE HOSPITAL MORTALITY INFORMATION 1987, 1988, 1989

For some categories, observed and predicted mortality rates are published without an accompanying standard deviation. If "the number of cases or deaths in any category is too small to permit satisfactory estimation of the standard deviation," it is also inappropriate to publish predicted rates in that category, due to the potential for misinterpretation.

We support the Health Care Financing Administration's continuing effort to provide reliable mortality data. Mortality rates are an important clinical indicator; however, they are not the sole element in evaluating patient care given in a hospital. At Humana Hospital-Clinch Valley, we have established, in conjunction with our medical staff, an on-going comprehensive quality management program.

Thank you again for the opportunity to review the data before publication. We hope you will give serious thought to our comments and not release the information to the public without modifying it to make it more meaningful and understandable.

Sincerely,

James W. Thweatt, Jr.
Administrator

JWT/djb

HUMANA HOSPITAL ST LUKES

7700 Parham Rd
Richmond, VA 23229

Medicare Provider Number: 490015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,450	8.5	8.7	1.2	12.6	13.4	1.1	16.3	17.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	34	44.1	28.9	*	50.0	32.3	*	55.9	35.8	*
Congestive Heart Failure	70	12.9	14.4	7.7	18.6	22.2	7.0	24.3	28.8	6.8
Pneumonia/Influenza	47	12.8	14.1	*	19.1	19.3	*	23.4	23.5	*
Chronic Obstructive Pulmonary Disease	18	11.1	7.1	*	16.7	13.5	*	16.7	19.2	*
Transient Cerebral Ischemia	25	0.0	2.0	*	0.0	4.8	*	0.0	7.7	*
Stroke	49	12.2	18.1	*	20.4	24.1	*	20.4	28.3	*
Hip Fracture	45	8.9	6.4	*	17.8	11.6	*	26.7	15.1	*
Sepsis	16	12.5	21.0	*	18.8	30.3	*	18.8	36.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.5	*	0.0	4.7	*	11.1	6.9	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	3.0	*	0.0	4.7	*
Hip Replacement/Reconstruction	33	6.1	4.3	*	12.1	8.3	*	18.2	11.3	*
Open Reduction of Hip Fracture	24	8.3	5.9	*	12.5	11.0	*	20.8	14.4	*
Prostatectomy	30	3.3	1.6	*	3.3	3.8	*	3.3	6.2	*
Cholecystectomy	25	0.0	3.8	*	0.0	6.5	*	4.0	8.6	*
Hysterectomy	2	0.0	1.1	*	0.0	2.6	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	160
Occupancy Rate	59
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	109
Percent of Physicians Board Certified Specialists	89
Medical Residents/Interns	0
Registered Nurses	81
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

HUMANA HOSPITAL ST LUKES

Medicare Provider Number: 490015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,163	8.3	8.7	1.0	14.2	13.1	1.1	18.6	16.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	36	30.6	29.7	*	38.9	33.2	*	41.7	37.0	*
Congestive Heart Failure	47	10.6	15.3	*	21.3	23.9	*	25.5	30.9	*
Pneumonia/Influenza	30	16.7	17.4	*	40.0	24.1	*	43.3	29.4	*
Chronic Obstructive Pulmonary Disease	15	13.3	6.6	*	26.7	12.2	*	26.7	16.8	*
Transient Cerebral Ischemia	15	0.0	2.3	*	13.3	5.1	*	20.0	8.1	*
Stroke	65	21.5	21.7	5.1	30.8	28.3	6.8	35.4	32.8	6.8
Hip Fracture	32	3.1	5.7	*	9.4	10.5	*	15.6	13.7	*
Sepsis	6	33.3	30.0	*	50.0	37.2	*	66.7	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	28.6	3.8	*	28.6	8.2	*	28.6	12.8	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	24	0.0	2.6	*	4.2	5.0	*	12.5	6.8	*
Open Reduction of Hip Fracture	21	4.8	5.1	*	14.3	9.8	*	14.3	13.0	*
Prostatectomy	41	0.0	1.1	*	0.0	2.7	*	4.9	4.3	*
Cholecystectomy	14	0.0	1.8	*	0.0	3.2	*	0.0	4.2	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,320	8.9	8.8	0.9	14.4	13.5	1.4	18.0	17.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	47	12.8	32.8	*	21.3	36.2	*	21.3	39.8	*
Congestive Heart Failure	62	17.7	17.9	5.2	24.2	27.3	5.9	30.6	34.6	6.6
Pneumonia/Influenza	24	8.3	15.7	*	12.5	21.4	*	12.5	25.9	*
Chronic Obstructive Pulmonary Disease	22	4.5	10.5	*	13.6	17.7	*	18.2	23.2	*
Transient Cerebral Ischemia	27	0.0	1.9	*	0.0	4.3	*	0.0	6.8	*
Stroke	58	20.7	22.0	6.1	29.3	27.8	6.7	34.5	32.2	6.8
Hip Fracture	27	7.4	6.5	*	14.8	12.0	*	22.2	15.7	*
Sepsis	19	26.3	29.5	*	42.1	38.8	*	47.4	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.4	*	8.3	7.3	*	8.3	9.8	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	17	0.0	3.4	*	5.9	6.5	*	17.6	8.9	*
Open Reduction of Hip Fracture	8	12.5	6.9	*	12.5	12.9	*	12.5	16.8	*
Prostatectomy	32	3.1	1.1	*	3.1	2.7	*	9.4	4.5	*
Cholecystectomy	20	5.0	1.7	*	5.0	3.1	*	10.0	4.0	*
Hysterectomy	8	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

209.1

7700 Parham Road
Richmond Virginia
23294
Telephone 804 747-5600

**Humana Hospital
St. Lukes**

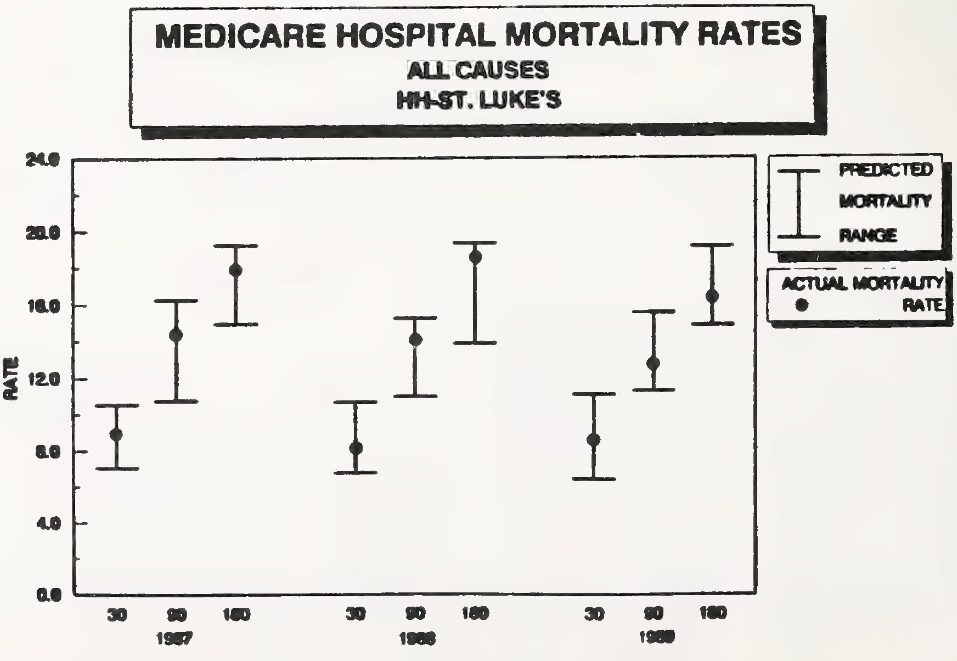
January 8, 1991
Medicare Provider # 49 - 0015

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Thank you for the opportunity to review and comment on the Medicare mortality rates you provided for Humana Hospital -St. Lukes. Since the mortality rates will be interpreted by the public, it is essential the data be easily understandable. Unfortunately, the presentation of the data in the format you provided is difficult to understand, and wrong conclusions may be reached by readers attempting to evaluate the hospital´s observed rate against the predicted mortality rate.

For areas where a standard deviation has been provided, we urge that a predicted range be calculated and displayed as in past years. This would allow for much less potential error of interpretation. [To aid readers, in understanding the data for Humana Hospital - St. Lukes, we have computed a range for the "All Causes" category for the 30, 90, and 180-day intervals for 1987, 1988 and 1989. The range represents a 95% prediction interval using the technical information provided. The data are displayed graphically below.



MEDICARE HOSPITAL MORTALITY RATES
ALL CAUSES
HH-ST. LUKE'S

SOURCE: HCFA - MEDICARE HOSPITAL MORTALITY INFORMATION 1987, 1988, 1989

For some categories, observed and predicted mortality rates are published without an accompanying standard deviation. If "the number of cases or deaths in any category is too small to permit satisfactory estimation of the standard deviation," it is also inappropriate to publish predicted rates in that category, due to the potential for misinterpretation.

We support the Health Care Financing Administration's continuing effort to provide reliable mortality data. Mortality rates are an important clinical indicator; however, they are not the sole element in evaluating, in conjunction with our medical staff, an on-going, comprehensive quality management program.

Thank you again for the opportunity to review the data before publication. We hope you will give serious thought to our comments and not release the information to the public without modifying it to make it more meaningful and understandable.

Sincerely,

Nancy R Hofheimer

Nancy Hofheimer
Executive Director

JEFFERSON HOSPITAL

4600 King Street
Alexandria, VA 22302

Medicare Provider Number: 490008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	485	6.0	7.1	1.6	10.7	11.0	1.6	12.6	14.2	2.4
CONDITIONS:										
Acute Myocardial Infarction	16	31.3	23.6	*	31.3	26.5	*	31.3	29.6	*
Congestive Heart Failure	25	4.0	14.8	*	8.0	24.1	*	8.0	31.2	*
Pneumonia/Influenza	15	0.0	15.2	*	6.7	20.7	*	6.7	24.8	*
Chronic Obstructive Pulmonary Disease	7	14.3	7.8	*	14.3	12.6	*	14.3	16.8	*
Transient Cerebral Ischemia	14	0.0	1.9	*	0.0	4.3	*	0.0	6.7	*
Stroke	12	25.0	20.3	*	33.3	26.9	*	33.3	31.3	*
Hip Fracture	3	0.0	3.4	*	0.0	6.3	*	0.0	8.6	*
Sepsis	3	66.7	32.3	*	66.7	39.0	*	66.7	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	6.4	*	0.0	10.4	*	0.0	13.7	*
Carotid Endarterectomy	2	0.0	0.9	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction	3	0.0	3.9	*	0.0	6.9	*	0.0	9.3	*
Open Reduction of Hip Fracture	0									
Prostatectomy	13	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	9	0.0	0.7	*	0.0	1.2	*	0.0	1.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	70
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	81
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	0
Registered Nurses	90
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

JEFFERSON HOSPITAL

Medicare Provider Number: 490008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	473	5.5	6.5	1.3	9.3	10.5	1.8	10.6	13.8	2.3
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	24.5	*	33.3	28.0	*	33.3	31.5	*
Congestive Heart Failure	28	3.6	13.8	*	7.1	20.9	*	10.7	27.0	*
Pneumonia/Influenza	15	6.7	13.7	*	13.3	18.4	*	13.3	22.3	*
Chronic Obstructive Pulmonary Disease	6	0.0	11.5	*	0.0	19.3	*	0.0	26.0	*
Transient Cerebral Ischemia	7	0.0	2.2	*	0.0	5.2	*	0.0	8.4	*
Stroke	12	16.7	20.7	*	33.3	28.3	*	41.7	33.2	*
Hip Fracture	5	0.0	3.7	*	0.0	7.1	*	0.0	9.6	*
Sepsis	4	25.0	23.2	*	50.0	31.4	*	50.0	37.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.3	*	0.0	4.2	*	0.0	5.9	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	2	0.0	1.6	*	0.0	3.0	*	0.0	4.0	*
Open Reduction of Hip Fracture	3	0.0	2.8	*	0.0	5.6	*	0.0	8.0	*
Prostatectomy	10	0.0	0.8	*	0.0	1.9	*	0.0	3.3	*
Cholecystectomy	4	0.0	1.5	*	0.0	2.4	*	0.0	3.1	*
Hysterectomy	1	0.0	0.5	*	0.0	0.9	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	481	4.8	7.1	1.9	9.8	11.3	1.8	14.1	14.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	9	11.1	21.8	*	11.1	25.8	*	22.2	29.1	*
Congestive Heart Failure	26	11.5	14.1	*	19.2	21.8	*	38.5	28.4	*
Pneumonia/Influenza	12	16.7	15.2	*	16.7	20.9	*	25.0	25.5	*
Chronic Obstructive Pulmonary Disease	4	0.0	10.0	*	25.0	19.9	*	25.0	27.8	*
Transient Cerebral Ischemia	12	0.0	2.0	*	0.0	4.2	*	8.3	6.6	*
Stroke	12	8.3	16.7	*	16.7	23.4	*	25.0	27.8	*
Hip Fracture	2	0.0	3.8	*	0.0	7.4	*	0.0	10.0	*
Sepsis	3	33.3	27.8	*	33.3	38.9	*	33.3	47.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.4	*	20.0	9.4	*	20.0	14.3	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction	2	0.0	0.4	*	0.0	0.8	*	0.0	1.0	*
Open Reduction of Hip Fracture	2	0.0	3.3	*	0.0	6.7	*	0.0	9.3	*
Prostatectomy	11	0.0	1.1	*	9.1	2.6	*	9.1	4.4	*
Cholecystectomy	5	0.0	0.9	*	0.0	1.6	*	0.0	2.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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JEFFERSON HOSPITAL
FAIRFAX HOSPITAL SYSTEM

Jefferson Hospital
4600 King Street
Alexandria, Virginia 22302
703 931-9700

Richard A. Levy, Jr.
Vice President, Fairfax Hospital System
Administrator, Jefferson Hospital

January 15, 1991

MEDICARE PROVIDER
#490008

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-3-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD. 21207

Dear Mrs. Kappert:

We appreciate this opportunity to review and comment on the material that HCFA has gathered for the annual report of Medicare mortality data. The Administration and Medical Staff of Jefferson Hospital support Quality Assurance efforts such as this.

We are pleased to note, as we have for the past three years, that our mortality rates fall within or below the ranges predicted by the HCFA model.

The hospitalization dates for all Medicare inpatient deaths are correct with two exceptions. (See Attachment A)

The hospital characteristics listed for Jefferson Hospital are accurate.

The number of cases in each of the condition or procedure categories is too small to permit satisfactory estimation of the standard deviation. All patient deaths, nevertheless, are intensively reviewed by a physician peer review committee.

Again, we appreciate this opportunity to review and comment.

Sincerely,

Richard A. Levy, Jr.

RICHARD A. LEVY, JR.
Administrator

RAL:pc

JOHN RANDOLPH HOSPITAL

411 W Randolph Rd
Hopewell, VA 23860

Medicare Provider Number: 490020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,064	10.7	9.1	1.2	15.3	14.0	1.2	19.5	17.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	24	8.3	23.6	*	16.7	26.6	*	16.7	30.0	*
Congestive Heart Failure	69	20.3	15.7	7.9	31.9	24.1	8.5	37.7	31.1	10.7
Pneumonia/Influenza	63	15.9	15.5	6.0	22.2	21.3	6.7	28.6	25.9	7.7
Chronic Obstructive Pulmonary Disease	20	20.0	5.3	*	35.0	9.7	*	35.0	13.8	*
Transient Cerebral Ischemia	20	0.0	1.5	*	5.0	3.3	*	5.0	5.1	*
Stroke	42	16.7	19.8	*	21.4	26.3	*	26.2	30.9	*
Hip Fracture	21	19.0	5.9	*	23.8	10.5	*	23.8	13.6	*
Sepsis	9	11.1	22.3	*	22.2	30.9	*	33.3	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.9	*	0.0	4.2	*	0.0	6.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	3.8	*	10.0	7.2	*	10.0	9.5	*
Open Reduction of Hip Fracture	7	42.9	6.3	*	42.9	11.7	*	42.9	15.2	*
Prostatectomy	28	3.6	0.7	*	7.1	1.7	*	10.7	3.0	*
Cholecystectomy	18	0.0	4.5	*	0.0	8.3	*	5.6	10.8	*
Hysterectomy	5	0.0	1.2	*	0.0	2.4	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	126
Occupancy Rate	66
Ownership/Control	District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	99
Licensed Practical Nurses	42

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JOHN RANDOLPH HOSPITAL

Medicare Provider Number: 490020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,053	7.5	9.1	1.2	13.0	13.5	1.1	16.1	17.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	44	31.8	30.4	*	36.4	34.1	*	36.4	38.2	*
Congestive Heart Failure	48	8.3	14.3	*	22.9	21.9	*	31.3	28.3	*
Pneumonia/Influenza	66	19.7	15.9	5.6	22.7	21.5	5.7	27.3	26.1	5.6
Chronic Obstructive Pulmonary Disease	21	4.8	5.9	*	4.8	11.1	*	14.3	15.8	*
Transient Cerebral Ischemia	25	0.0	2.7	*	4.0	6.1	*	4.0	9.7	*
Stroke	39	12.8	17.4	*	20.5	23.0	*	25.6	27.4	*
Hip Fracture	22	0.0	4.6	*	4.5	8.9	*	4.5	11.7	*
Sepsis	7	28.6	27.1	*	42.9	34.1	*	42.9	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.5	*	0.0	3.3	*	0.0	4.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	3.0	*	0.0	6.1	*	0.0	8.4	*
Open Reduction of Hip Fracture	10	0.0	3.7	*	0.0	7.3	*	0.0	10.0	*
Prostatectomy	34	0.0	0.7	*	0.0	1.6	*	2.9	2.7	*
Cholecystectomy	23	0.0	3.1	*	13.0	6.4	*	13.0	9.0	*
Hysterectomy	4	0.0	1.0	*	0.0	2.4	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,034	9.2	9.3	1.3	14.2	14.0	1.8	18.9	17.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	35	25.7	29.3	*	31.4	32.5	*	31.4	35.8	*
Congestive Heart Failure	57	8.8	16.3	7.6	24.6	25.1	5.9	31.6	32.3	6.3
Pneumonia/Influenza	57	17.5	17.4	5.3	21.1	23.4	6.5	28.1	28.2	6.3
Chronic Obstructive Pulmonary Disease	23	13.0	5.9	*	17.4	12.2	*	34.8	18.1	*
Transient Cerebral Ischemia	23	0.0	2.3	*	0.0	5.3	*	4.3	8.6	*
Stroke	45	11.1	20.4	*	20.0	26.4	*	28.9	30.8	*
Hip Fracture	23	13.0	5.5	*	13.0	10.1	*	21.7	13.2	*
Sepsis	13	7.7	18.9	*	7.7	25.0	*	7.7	30.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	7.5	*	20.0	10.1	*	20.0	12.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	3.4	*	9.1	7.4	*	18.2	11.1	*
Open Reduction of Hip Fracture	11	9.1	5.2	*	9.1	9.9	*	18.2	13.1	*
Prostatectomy	34	0.0	0.6	*	0.0	1.4	*	2.9	2.4	*
Cholecystectomy	15	0.0	3.4	*	13.3	6.0	*	13.3	7.9	*
Hysterectomy	2	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JOHNSTON MEMORIAL HOSPITAL

351 N Court St
Abingdon, VA 24210

Medicare Provider Number: 490053

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,204	11.1	8.6	1.1	15.6	12.9	1.3	18.8	16.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	41	41.5	25.6	*	41.5	28.3	*	43.9	31.4	*
Congestive Heart Failure	44	13.6	12.8	*	22.7	19.9	*	29.5	26.0	*
Pneumonia/Influenza	121	19.0	15.3	5.9	22.3	21.1	5.5	28.1	25.6	6.0
Chronic Obstructive Pulmonary Disease	27	0.0	3.3	*	0.0	6.9	*	3.7	10.3	*
Transient Cerebral Ischemia	13	0.0	1.6	*	0.0	3.5	*	0.0	5.7	*
Stroke	30	13.3	18.6	*	16.7	24.6	*	23.3	28.8	*
Hip Fracture	56	5.4	5.6	4.6	12.5	10.3	4.8	16.1	13.6	6.1
Sepsis	5	20.0	19.0	*	20.0	25.1	*	20.0	29.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	9	0.0	1.5	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	60	1.7	3.4	4.2	8.3	6.4	4.1	10.0	8.6	4.4
Open Reduction of Hip Fracture	16	12.5	4.9	*	12.5	9.3	*	18.8	12.4	*
Prostatectomy	28	0.0	0.6	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	42	2.4	1.7	*	4.8	3.1	*	4.8	4.1	*
Hysterectomy	11	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	154
Occupancy Rate	52
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	89
Medical Residents/Interns	0
Registered Nurses	101
Licensed Practical Nurses	56

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JOHNSTON MEMORIAL HOSPITAL

Medicare Provider Number: 490053

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,200	9.1	8.8	1.4	13.9	13.2	1.2	17.3	16.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	40	22.5	30.7	*	27.5	33.6	*	30.0	37.1	*
Congestive Heart Failure	44	13.6	14.6	*	20.5	22.0	*	27.3	28.4	*
Pneumonia/Influenza	113	23.0	16.8	6.9	31.0	22.8	6.1	33.6	27.6	5.4
Chronic Obstructive Pulmonary Disease	22	0.0	5.8	*	9.1	10.6	*	18.2	14.5	*
Transient Cerebral Ischemia	12	0.0	2.5	*	8.3	5.7	*	8.3	9.1	*
Stroke	39	10.3	20.7	*	15.4	26.8	*	25.6	31.3	*
Hip Fracture	42	4.8	5.7	*	11.9	10.5	*	11.9	13.8	*
Sepsis	9	11.1	20.6	*	22.2	28.0	*	22.2	34.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	8	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	42	7.1	4.7	*	14.3	9.3	*	14.3	12.6	*
Open Reduction of Hip Fracture	10	0.0	3.8	*	0.0	7.2	*	0.0	9.6	*
Prostatectomy	32	0.0	1.0	*	3.1	2.4	*	3.1	4.0	*
Cholecystectomy	29	6.9	2.4	*	6.9	4.3	*	10.3	5.6	*
Hysterectomy	14	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,174	10.8	8.8	1.0	16.0	13.2	1.3	20.5	16.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	40	22.5	31.1	*	30.0	34.1	*	32.5	37.7	*
Congestive Heart Failure	47	25.5	14.7	*	29.8	22.0	*	38.3	28.4	*
Pneumonia/Influenza	104	22.1	17.2	5.2	31.7	23.2	6.9	36.5	28.3	6.8
Chronic Obstructive Pulmonary Disease	29	6.9	5.1	*	17.2	10.1	*	20.7	14.5	*
Transient Cerebral Ischemia	14	0.0	1.6	*	7.1	3.1	*	7.1	4.7	*
Stroke	44	20.5	19.9	*	25.0	26.3	*	40.9	30.9	*
Hip Fracture	47	4.3	5.3	*	6.4	9.9	*	6.4	13.2	*
Sepsis	7	0.0	17.5	*	0.0	24.0	*	0.0	28.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	4	0.0	1.8	*	0.0	3.7	*	0.0	5.4	*
Hip Replacement/Reconstruction	61	6.6	3.5	4.2	9.8	6.7	4.7	9.8	9.0	4.7
Open Reduction of Hip Fracture	13	0.0	4.5	*	0.0	8.3	*	0.0	10.9	*
Prostatectomy	29	3.4	0.9	*	6.9	2.1	*	10.3	3.4	*
Cholecystectomy	18	0.0	3.1	*	11.1	6.4	*	11.1	9.3	*
Hysterectomy	8	0.0	0.4	*	0.0	0.7	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

KINGS DAUGHTERS HOSPITAL

1410 N Augusta Ave
Staunton, VA 24401

Medicare Provider Number: 490029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,404	10.7	8.5	1.0	15.6	13.0	1.3	18.3	16.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	74	28.4	20.0	7.2	32.4	23.7	7.7	35.1	27.2	9.0
Congestive Heart Failure	53	15.1	14.5	5.5	26.4	23.7	7.1	37.7	31.4	11.1
Pneumonia/Influenza	96	13.5	13.8	3.6	18.7	19.2	5.2	21.9	23.7	4.9
Chronic Obstructive Pulmonary Disease	18	11.1	5.7	*	33.3	10.7	*	38.9	15.2	*
Transient Cerebral Ischemia	20	0.0	1.6	*	0.0	3.6	*	0.0	5.9	*
Stroke	73	20.5	19.5	5.0	23.3	26.0	5.5	26.0	30.4	6.6
Hip Fracture	40	5.0	5.6	*	10.0	10.7	*	10.0	14.4	*
Sepsis	21	33.3	21.9	*	42.9	28.3	*	42.9	33.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.0	*	0.0	6.4	*	11.1	9.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	7.7	3.7	*	7.7	7.2	*	7.7	9.7	*
Open Reduction of Hip Fracture	22	0.0	5.4	*	9.1	11.0	*	9.1	15.2	*
Prostatectomy	55	0.0	0.9	2.8	3.6	2.4	2.7	3.6	4.1	3.3
Cholecystectomy	31	0.0	1.7	*	0.0	2.9	*	0.0	3.9	*
Hysterectomy	5	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	105
Occupancy Rate	54
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	64
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	108
Licensed Practical Nurses	91

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

KINGS DAUGHTERS HOSPITAL

Medicare Provider Number: 490029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,481	8.3	7.6	0.9	12.2	11.8	0.9	16.0	15.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	58	25.9	21.3	7.6	29.3	24.3	7.8	31.0	27.6	8.6
Congestive Heart Failure	52	17.3	13.3	7.1	25.0	20.8	7.1	32.7	27.1	9.1
Pneumonia/Influenza	101	13.9	14.6	3.6	17.8	20.4	4.6	21.8	24.9	5.0
Chronic Obstructive Pulmonary Disease	18	0.0	4.1	*	0.0	7.9	*	16.7	11.3	*
Transient Cerebral Ischemia	30	0.0	1.5	*	3.3	3.3	*	3.3	5.2	*
Stroke	57	15.8	18.4	7.1	19.3	25.4	9.9	26.3	29.9	8.9
Hip Fracture	43	4.7	4.6	*	9.3	8.8	*	9.3	11.8	*
Sepsis	6	16.7	19.5	*	16.7	23.5	*	16.7	27.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	28.6	12.5	*	28.6	17.0	*	28.6	20.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	4.0	*	10.0	8.4	*	10.0	11.8	*
Open Reduction of Hip Fracture	27	7.4	3.8	*	11.1	7.7	*	11.1	10.5	*
Prostatectomy	47	0.0	1.1	*	2.1	2.7	*	4.3	4.6	*
Cholecystectomy	34	0.0	1.4	*	0.0	2.6	*	0.0	3.5	*
Hysterectomy	4	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,584	8.1	7.8	0.8	12.4	12.0	0.9	15.5	15.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	62	21.0	21.4	5.5	22.6	24.7	6.4	22.6	28.0	7.4
Congestive Heart Failure	45	13.3	14.1	*	17.8	21.9	*	31.1	28.5	*
Pneumonia/Influenza	89	9.0	14.2	5.6	12.4	19.7	7.1	18.0	24.2	7.2
Chronic Obstructive Pulmonary Disease	23	4.3	6.1	*	8.7	10.9	*	8.7	14.7	*
Transient Cerebral Ischemia	22	0.0	1.6	*	4.5	3.5	*	4.5	5.5	*
Stroke	58	19.0	17.7	6.2	20.7	24.8	6.7	27.6	29.3	6.9
Hip Fracture	40	5.0	5.2	*	5.0	9.8	*	7.5	13.0	*
Sepsis	14	42.9	30.0	*	50.0	37.6	*	50.0	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.1	*	0.0	5.1	*	0.0	6.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	2.6	*	0.0	5.1	*	0.0	6.9	*
Open Reduction of Hip Fracture	26	3.8	4.5	*	3.8	9.1	*	7.7	12.5	*
Prostatectomy	46	0.0	1.4	*	4.3	3.3	*	6.5	5.4	*
Cholecystectomy	44	2.3	1.4	*	2.3	2.7	*	2.3	3.7	*
Hysterectomy	6	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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AHC AUGUSTA HOSPITAL

KING'S DAUGHTERS' HOSPITAL
1410 N. Augusta Street, Staunton, Virginia 24401
703/887-2000

WAYNESBORO COMMUNITY HOSPITAL
501 Oak Avenue, Waynesboro, Virginia 2298
703/942-2273

FAX number (301)966-6730.

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert:

Please include the following comments in the Medicare Hospital Mortality Information publication.

"Before we attempt to comment on the implications or validity of these data, we feel we need to gain more insight into the new methodology and also the results obtained with other patient populations. We will look forward to attending one of the information and training sessions mentioned in your December 6 letter of transmittal."

Sincerely,

Janet P. Mangun

Janet P. Mangun
Manager, QA/UR/RM

/pm

LEE COUNTY HOSPITAL

Harrell St
Pennington Gap, VA 24277

Medicare Provider Number: 490012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	689	6.1	10.3	1.5	10.2	15.2	1.7	13.6	19.0	1.9
CONDITIONS:										
Acute Myocardial Infarction	39	25.6	35.4	*	25.6	39.1	*	33.3	42.9	*
Congestive Heart Failure	36	8.3	15.9	*	25.0	24.9	*	30.6	32.0	*
Pneumonia/Influenza	52	5.8	14.1	5.6	5.8	19.4	7.1	7.7	23.5	8.0
Chronic Obstructive Pulmonary Disease	10	0.0	5.2	*	10.0	9.7	*	10.0	13.8	*
Transient Cerebral Ischemia	8	0.0	1.9	*	0.0	4.3	*	12.5	6.8	*
Stroke	18	11.1	18.1	*	22.2	24.7	*	33.3	29.2	*
Hip Fracture	21	4.8	8.3	*	14.3	14.6	*	19.0	18.7	*
Sepsis	6	0.0	30.3	*	16.7	36.3	*	16.7	41.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	7.5	*	12.5	13.8	*	25.0	18.2	*
Open Reduction of Hip Fracture	11	0.0	7.5	*	9.1	13.9	*	9.1	18.0	*
Prostatectomy	13	0.0	0.7	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	6	0.0	1.9	*	0.0	3.4	*	0.0	4.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	84
Occupancy Rate	44
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	50
Medical Residents/Interns	0
Registered Nurses	49
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LEE COUNTY HOSPITAL

Medicare Provider Number: 490012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	642	7.0	10.1	1.5	10.7	14.8	1.7	14.2	18.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	34	32.4	31.4	*	38.2	34.4	*	41.2	37.9	*
Congestive Heart Failure	26	0.0	17.5	*	3.8	25.5	*	11.5	32.2	*
Pneumonia/Influenza	28	10.7	16.4	*	21.4	22.4	*	28.6	26.8	*
Chronic Obstructive Pulmonary Disease	4	25.0	6.0	*	25.0	10.4	*	50.0	14.4	*
Transient Cerebral Ischemia	9	0.0	1.9	*	0.0	4.2	*	0.0	6.6	*
Stroke	24	20.8	24.3	*	29.2	31.9	*	33.3	37.0	*
Hip Fracture	16	0.0	6.5	*	6.3	12.1	*	12.5	15.9	*
Sepsis	6	50.0	25.7	*	50.0	35.6	*	50.0	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	4.1	*	14.3	7.8	*	14.3	10.2	*
Open Reduction of Hip Fracture	8	0.0	6.2	*	0.0	11.8	*	0.0	15.6	*
Prostatectomy	18	0.0	0.8	*	0.0	1.9	*	5.6	3.1	*
Cholecystectomy	8	0.0	2.0	*	0.0	3.8	*	0.0	5.1	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	612	7.5	10.1	1.7	11.6	14.7	2.3	13.6	18.4	2.4
CONDITIONS:										
Acute Myocardial Infarction	32	25.0	36.7	*	28.1	40.2	*	28.1	44.1	*
Congestive Heart Failure	25	12.0	16.9	*	16.0	24.1	*	40.0	30.7	*
Pneumonia/Influenza	50	12.0	16.6	*	16.0	22.4	*	18.0	27.0	*
Chronic Obstructive Pulmonary Disease	7	14.3	6.6	*	28.6	10.4	*	28.6	14.0	*
Transient Cerebral Ischemia	22	0.0	2.0	*	9.1	4.4	*	9.1	6.8	*
Stroke	15	20.0	19.8	*	20.0	26.8	*	20.0	31.5	*
Hip Fracture	19	5.3	6.1	*	5.3	11.0	*	10.5	14.3	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	5.5	*	0.0	10.2	*	0.0	13.4	*
Open Reduction of Hip Fracture	8	12.5	6.1	*	12.5	11.6	*	12.5	15.3	*
Prostatectomy	16	0.0	0.9	*	0.0	1.8	*	0.0	2.9	*
Cholecystectomy	5	0.0	7.0	*	20.0	13.5	*	20.0	17.8	*
Hysterectomy	3	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LONESOME PINE HOSPITAL

Drawer 1 Holton Ave
Big Stone Gap, VA 24219

Medicare Provider Number: 490114

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	524	8.6	10.1	1.6	12.8	14.8	1.7	16.2	18.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	22	36.4	32.7	*	40.9	36.8	*	45.5	40.5	*
Congestive Heart Failure	17	5.9	12.9	*	17.6	19.8	*	23.5	25.8	*
Pneumonia/Influenza	31	9.7	16.8	*	12.9	22.9	*	19.4	27.7	*
Chronic Obstructive Pulmonary Disease	16	0.0	8.0	*	0.0	13.6	*	0.0	18.8	*
Transient Cerebral Ischemia	3	0.0	3.2	*	0.0	7.1	*	0.0	11.4	*
Stroke	18	5.6	18.6	*	5.6	25.7	*	11.1	30.0	*
Hip Fracture	21	9.5	5.7	*	9.5	10.1	*	14.3	13.1	*
Sepsis	5	60.0	35.4	*	60.0	43.0	*	80.0	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	12.9	*	0.0	24.1	*	0.0	31.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	5.4	*	0.0	10.2	*	0.0	13.3	*
Open Reduction of Hip Fracture	9	0.0	4.6	*	0.0	8.7	*	11.1	11.5	*
Prostatectomy	13	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	9	0.0	1.4	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	60
Occupancy Rate	55
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	0
Registered Nurses	50
Licensed Practical Nurses	24

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LONESOME PINE HOSPITAL

Medicare Provider Number: 490114

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	505	8.9	9.1	1.3	14.3	13.7	1.6	18.0	17.4	2.1
CONDITIONS:										
Acute Myocardial Infarction	15	40.0	24.0	*	46.7	26.7	*	46.7	30.1	*
Congestive Heart Failure	21	14.3	13.7	*	19.0	21.3	*	28.6	27.8	*
Pneumonia/Influenza	31	3.2	17.7	*	6.5	24.0	*	9.7	28.8	*
Chronic Obstructive Pulmonary Disease	8	0.0	3.5	*	0.0	6.7	*	0.0	9.7	*
Transient Cerebral Ischemia	8	0.0	2.4	*	0.0	5.4	*	0.0	8.6	*
Stroke	22	27.3	16.6	*	36.4	24.5	*	40.9	29.3	*
Hip Fracture	13	0.0	5.3	*	7.7	10.0	*	7.7	13.1	*
Sepsis	3	33.3	36.1	*	66.7	42.1	*	66.7	49.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	0.8	*	0.0	1.4	*	0.0	2.2	*
Open Reduction of Hip Fracture	7	0.0	5.3	*	0.0	10.2	*	0.0	13.4	*
Prostatectomy	10	0.0	0.9	*	0.0	2.0	*	0.0	3.0	*
Cholecystectomy	11	0.0	2.5	*	9.1	5.3	*	9.1	7.8	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	512	10.7	10.3	2.2	14.8	15.1	2.9	17.4	18.8	3.0
CONDITIONS:										
Acute Myocardial Infarction	22	22.7	26.0	*	27.3	28.7	*	31.8	32.0	*
Congestive Heart Failure	29	10.3	14.7	*	13.8	22.6	*	13.8	29.3	*
Pneumonia/Influenza	29	0.0	13.6	*	0.0	18.2	*	3.4	22.2	*
Chronic Obstructive Pulmonary Disease	8	12.5	2.9	*	12.5	5.4	*	12.5	7.6	*
Transient Cerebral Ischemia	8	12.5	2.6	*	12.5	5.9	*	12.5	9.6	*
Stroke	16	25.0	22.0	*	37.5	29.6	*	37.5	34.9	*
Hip Fracture	10	10.0	6.3	*	10.0	11.4	*	10.0	14.7	*
Sepsis	9	22.2	29.8	*	22.2	35.3	*	22.2	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	3.9	*	16.7	7.7	*	16.7	10.4	*
Open Reduction of Hip Fracture	1	0.0	6.2	*	0.0	10.1	*	0.0	12.3	*
Prostatectomy	9	0.0	1.6	*	11.1	3.9	*	11.1	6.5	*
Cholecystectomy	4	25.0	2.9	*	25.0	5.3	*	25.0	7.2	*
Hysterectomy	2	0.0	3.3	*	0.0	7.9	*	0.0	12.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LOUDOUN MEMORIAL HOSPITAL

224 Cornwall Street NW
Leesburg, VA 22075

Medicare Provider Number: 490043

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	774	8.8	9.7	1.3	14.6	14.4	1.7	17.4	18.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	22	13.6	28.7	*	18.2	32.4	*	18.2	36.1	*
Congestive Heart Failure	40	7.5	15.0	*	10.0	23.3	*	17.5	30.3	*
Pneumonia/Influenza	45	15.6	17.4	*	28.9	23.6	*	33.3	28.4	*
Chronic Obstructive Pulmonary Disease	8	12.5	8.7	*	12.5	16.0	*	12.5	22.0	*
Transient Cerebral Ischemia	8	12.5	1.7	*	12.5	3.6	*	12.5	5.7	*
Stroke	27	11.1	14.3	*	18.5	20.1	*	18.5	24.0	*
Hip Fracture	27	0.0	5.6	*	7.4	10.5	*	7.4	13.9	*
Sepsis	7	0.0	32.9	*	14.3	38.8	*	14.3	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	16.2	*	20.0	19.8	*	20.0	22.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	0.0	3.9	*	4.8	7.7	*	4.8	10.4	*
Open Reduction of Hip Fracture	11	0.0	5.1	*	9.1	9.7	*	9.1	12.9	*
Prostatectomy	12	0.0	0.6	*	0.0	1.5	*	8.3	2.6	*
Cholecystectomy	23	8.7	3.4	*	13.0	5.8	*	13.0	7.3	*
Hysterectomy	5	0.0	3.1	*	0.0	4.9	*	0.0	6.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	219
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	89
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	80
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LOUDOUN MEMORIAL HOSPITAL

Medicare Provider Number: 490043

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	798	10.5	9.7	1.3	17.2	14.7	1.6	22.2	18.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	25	36.0	23.6	*	48.0	27.3	*	48.0	30.9	*
Congestive Heart Failure	36	13.9	15.6	*	22.2	23.7	*	33.3	30.5	*
Pneumonia/Influenza	45	8.9	15.3	*	15.6	20.5	*	17.8	24.9	*
Chronic Obstructive Pulmonary Disease	13	7.7	3.8	*	7.7	6.8	*	7.7	9.7	*
Transient Cerebral Ischemia	5	0.0	1.6	*	0.0	3.5	*	0.0	5.4	*
Stroke	31	16.1	20.3	*	32.3	28.8	*	38.7	33.9	*
Hip Fracture	31	9.7	6.4	*	22.6	12.1	*	29.0	16.0	*
Sepsis	4	50.0	33.3	*	75.0	40.4	*	75.0	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	12.9	*	33.3	15.6	*	33.3	18.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	31	3.2	3.8	*	12.9	7.7	*	19.4	10.6	*
Open Reduction of Hip Fracture	15	20.0	6.4	*	33.3	12.6	*	33.3	16.8	*
Prostatectomy	25	0.0	0.4	*	0.0	1.0	*	4.0	1.7	*
Cholecystectomy	10	20.0	1.8	*	30.0	3.3	*	30.0	4.2	*
Hysterectomy	8	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	800	10.4	9.2	1.4	16.1	14.0	2.1	18.8	18.0	1.9
CONDITIONS:										
Acute Myocardial Infarction	18	50.0	27.0	*	50.0	30.3	*	50.0	33.7	*
Congestive Heart Failure	41	19.5	14.8	*	24.4	22.2	*	31.7	28.7	*
Pneumonia/Influenza	50	18.0	18.2	*	24.0	24.4	*	28.0	29.6	*
Chronic Obstructive Pulmonary Disease	12	8.3	9.5	*	25.0	15.8	*	25.0	20.5	*
Transient Cerebral Ischemia	8	12.5	2.2	*	25.0	4.8	*	25.0	7.7	*
Stroke	31	19.4	22.5	*	25.8	29.7	*	32.3	34.2	*
Hip Fracture	20	0.0	5.9	*	15.0	11.2	*	15.0	15.0	*
Sepsis	2	100.0	37.9	*	100.0	44.2	*	100.0	51.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.2	*	0.0	4.4	*	14.3	6.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	0.0	4.1	*	4.5	8.1	*	4.5	11.1	*
Open Reduction of Hip Fracture	6	0.0	4.5	*	16.7	8.6	*	16.7	11.5	*
Prostatectomy	19	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	18	0.0	2.7	*	5.6	4.6	*	5.6	6.0	*
Hysterectomy	6	0.0	1.3	*	0.0	2.9	*	0.0	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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LOUDOUN HOSPITAL CENTER
224 Cornwall Street, N.W., Leesburg, Virginia 22075 (703) 777-3300

January 11, 1990

Department of
Health and Human Services
Health Care Financing Administration
ATTN: Sandra Kappert
Rm. 2-D-2 Meadows East Bldg.
6325 Security Blvd.
Baltimore, MD 21207

Dear Ms. Kappert,

We would appreciate a change in our Hospital's name (ID # 490043) to

Loudoun Hospital Center

The new change was official in 1985, and we have taken appropriate steps to change the name throughout the HHS system. We have no comments on the mortality data itself.

It should also be noted that, while the report shows 219 total beds, only 119 are acute care beds. The other 100 are long term care, and we believe should be excluded. Thank you.

Sincerely,

Rebecca W. Craig
Vice President, Finance

LOUISE OBICI MEMORIAL HOSPITAL

P O Box 1100
Suffolk, VA 23434

Medicare Provider Number: 490044

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,704	9.0	9.7	1.1	14.1	14.5	1.0	18.0	18.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	67	26.9	28.7	6.3	31.3	32.0	6.1	34.3	35.4	7.2
Congestive Heart Failure	105	12.4	12.8	3.6	19.0	19.6	4.1	25.7	25.6	4.7
Pneumonia/Influenza	84	17.9	16.2	5.5	23.8	21.9	5.8	29.8	26.5	6.2
Chronic Obstructive Pulmonary Disease	28	7.1	5.9	*	10.7	10.1	*	14.3	13.9	*
Transient Cerebral Ischemia	33	0.0	1.8	*	0.0	3.7	*	3.0	5.9	*
Stroke	73	15.1	18.9	6.0	24.7	24.7	5.1	31.5	29.0	6.6
Hip Fracture	37	5.4	6.5	*	5.4	11.6	*	8.1	14.8	*
Sepsis	22	31.8	31.8	*	59.1	41.2	*	63.6	47.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	7.5	*	18.2	11.3	*	18.2	14.2	*
Carotid Endarterectomy	7	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	27	0.0	3.6	*	3.7	6.9	*	7.4	9.3	*
Open Reduction of Hip Fracture	19	10.5	6.1	*	10.5	11.2	*	10.5	14.4	*
Prostatectomy	41	2.4	1.1	*	4.9	2.8	*	9.8	4.8	*
Cholecystectomy	39	2.6	2.8	*	2.6	4.9	*	2.6	6.3	*
Hysterectomy	13	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	183
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	75
Percent of Physicians Board Certified Specialists	92
Medical Residents/Interns	0
Registered Nurses	95
Licensed Practical Nurses	70

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LOUISE OBICI MEMORIAL HOSPITAL

Medicare Provider Number: 490044

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,527	8.6	9.5	1.0	14.0	14.3	0.9	18.3	18.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	45	20.0	29.1	*	28.9	32.3	*	35.6	36.0	*
Congestive Heart Failure	99	7.1	15.3	5.2	15.2	22.9	6.5	21.2	29.5	6.1
Pneumonia/Influenza	79	15.2	17.6	6.4	21.5	23.6	5.0	27.8	28.4	5.1
Chronic Obstructive Pulmonary Disease	15	13.3	10.1	*	33.3	16.5	*	33.3	22.3	*
Transient Cerebral Ischemia	20	5.0	2.0	*	5.0	4.6	*	15.0	7.2	*
Stroke	71	21.1	21.6	4.9	31.0	27.4	6.0	36.6	31.8	7.4
Hip Fracture	40	10.0	7.8	*	15.0	13.8	*	15.0	17.4	*
Sepsis	12	50.0	30.8	*	75.0	37.1	*	75.0	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	7.4	*	20.0	9.4	*	20.0	11.6	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	30	3.3	3.7	*	6.7	6.7	*	6.7	8.5	*
Open Reduction of Hip Fracture	24	12.5	7.3	*	16.7	13.2	*	16.7	16.9	*
Prostatectomy	49	0.0	1.3	*	4.1	3.1	*	8.2	5.0	*
Cholecystectomy	31	0.0	3.4	*	3.2	6.3	*	6.5	8.7	*
Hysterectomy	14	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,522	10.4	9.4	1.0	15.5	14.2	1.2	19.3	17.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	38	36.8	30.5	*	36.8	33.5	*	42.1	36.9	*
Congestive Heart Failure	90	14.4	16.1	5.2	21.1	23.6	6.1	30.0	30.2	5.4
Pneumonia/Influenza	62	9.7	16.2	6.8	12.9	21.9	8.0	17.7	26.6	8.1
Chronic Obstructive Pulmonary Disease	16	6.3	8.9	*	25.0	15.2	*	25.0	20.9	*
Transient Cerebral Ischemia	22	0.0	1.8	*	0.0	3.8	*	4.5	6.1	*
Stroke	73	23.3	22.5	4.9	28.8	28.4	5.3	37.0	32.9	6.2
Hip Fracture	40	5.0	6.4	*	7.5	11.6	*	7.5	15.0	*
Sepsis	10	30.0	23.3	*	40.0	28.5	*	40.0	33.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	22.2	6.0	*	33.3	10.1	*	66.7	13.5	*
Carotid Endarterectomy	3	0.0	1.7	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	30	0.0	2.7	*	3.3	5.2	*	3.3	6.9	*
Open Reduction of Hip Fracture	22	4.5	6.2	*	4.5	11.7	*	4.5	15.3	*
Prostatectomy	52	0.0	1.0	2.5	1.9	2.4	3.5	5.8	3.9	4.0
Cholecystectomy	26	0.0	1.9	*	7.7	3.1	*	7.7	3.8	*
Hysterectomy	12	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LYNCHBURG GENERAL HOSPITAL

Tate Springs Rd P O Box 897
Lynchburg, VA 24506

Medicare Provider Number: 490095

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,314	10.4	9.7	0.8	15.3	14.3	1.0	18.7	18.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	141	23.4	31.5	4.3	27.0	34.5	4.4	27.7	38.1	4.8
Congestive Heart Failure	185	14.6	14.8	3.7	21.1	22.5	4.7	28.6	28.9	3.6
Pneumonia/Influenza	148	16.9	15.4	3.0	20.9	20.9	3.6	23.6	25.5	3.7
Chronic Obstructive Pulmonary Disease	40	7.5	6.1	*	15.0	10.8	*	20.0	15.1	*
Transient Cerebral Ischemia	30	0.0	2.0	*	3.3	4.6	*	10.0	7.3	*
Stroke	160	23.7	21.5	4.0	30.0	27.3	4.5	35.6	31.7	5.9
Hip Fracture	153	3.3	5.9	3.0	10.5	10.8	2.6	13.1	14.2	3.0
Sepsis	38	39.5	33.5	*	50.0	40.4	*	55.3	46.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	7.4	*	0.0	10.8	*	0.0	13.5	*
Carotid Endarterectomy	9	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	97	3.1	3.1	3.8	7.2	6.2	2.9	8.2	8.5	2.9
Open Reduction of Hip Fracture	82	3.7	5.7	3.4	12.2	10.7	3.7	14.6	14.1	4.6
Prostatectomy	112	0.9	1.7	1.4	2.7	3.7	2.0	4.5	5.9	3.0
Cholecystectomy	47	4.3	3.5	*	4.3	6.1	*	4.3	8.0	*
Hysterectomy	5	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	380
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	167
Percent of Physicians Board Certified Specialists	93
Medical Residents/Interns	0
Registered Nurses	180
Licensed Practical Nurses	61

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LYNCHBURG GENERAL HOSPITAL

Medicare Provider Number: 490095

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,367	9.8	9.4	0.5	15.5	14.1	0.9	19.4	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	135	31.1	32.4	5.8	37.0	35.8	5.1	41.5	39.7	4.5
Congestive Heart Failure	205	8.8	13.9	3.3	23.4	21.1	2.9	33.2	27.3	3.5
Pneumonia/Influenza	149	17.4	16.5	3.1	26.8	22.3	5.0	30.9	26.9	6.2
Chronic Obstructive Pulmonary Disease	38	0.0	5.8	*	5.3	10.2	*	5.3	14.1	*
Transient Cerebral Ischemia	26	7.7	2.2	*	7.7	4.8	*	7.7	7.8	*
Stroke	164	22.0	22.5	3.4	29.3	28.4	3.9	36.0	33.0	4.0
Hip Fracture	137	8.0	6.6	3.1	15.3	12.1	4.2	16.1	15.7	4.4
Sepsis	35	20.0	26.5	*	25.7	33.0	*	31.4	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	4.7	*	8.3	7.3	*	16.7	9.6	*
Carotid Endarterectomy	6	0.0	1.3	*	16.7	2.6	*	16.7	3.8	*
Hip Replacement/Reconstruction	97	6.2	3.5	2.8	12.4	6.8	4.4	12.4	9.2	4.0
Open Reduction of Hip Fracture	61	3.3	6.3	4.5	11.5	11.9	6.1	13.1	15.7	5.6
Prostatectomy	92	1.1	1.9	1.6	2.2	4.4	2.8	4.3	6.9	3.3
Cholecystectomy	70	4.3	2.4	3.1	7.1	4.1	4.6	7.1	5.3	5.3
Hysterectomy	2	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,226	10.3	9.8	0.8	15.3	14.8	1.0	18.3	18.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	118	28.0	30.0	4.8	28.8	33.6	4.7	29.7	37.2	5.2
Congestive Heart Failure	190	15.8	16.8	3.5	23.7	25.2	6.5	28.4	32.1	6.5
Pneumonia/Influenza	106	17.0	17.5	3.7	24.5	23.3	4.6	26.4	28.2	4.9
Chronic Obstructive Pulmonary Disease	42	26.2	8.3	*	33.3	13.9	*	33.3	18.4	*
Transient Cerebral Ischemia	42	0.0	2.2	*	0.0	4.7	*	0.0	7.5	*
Stroke	134	34.3	24.8	5.9	38.1	31.0	6.0	40.3	35.6	5.2
Hip Fracture	130	3.1	5.7	2.4	3.8	10.7	3.9	6.9	14.1	4.4
Sepsis	25	40.0	28.1	*	48.0	36.5	*	52.0	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	5.1	*	0.0	8.1	*	0.0	10.6	*
Carotid Endarterectomy	8	12.5	1.2	*	12.5	2.2	*	12.5	3.3	*
Hip Replacement/Reconstruction	106	3.8	2.6	1.9	4.7	5.1	2.2	5.7	7.1	2.8
Open Reduction of Hip Fracture	66	3.0	5.2	2.9	3.0	10.1	4.9	6.1	13.5	5.7
Prostatectomy	102	0.0	1.5	1.8	2.9	3.7	2.1	4.9	6.0	3.1
Cholecystectomy	62	0.0	2.7	3.3	0.0	4.4	4.9	0.0	5.4	5.9
Hysterectomy	4	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MARTHA JEFFERSON HOSPITAL

459 Locust Ave
Charlottesville, VA 22901

Medicare Provider Number: 490077

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,380	7.5	9.0	0.8	12.7	13.9	0.9	16.3	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	79	22.8	30.2	6.0	26.6	33.1	5.8	27.8	36.4	6.9
Congestive Heart Failure	150	10.0	15.1	4.6	19.3	23.4	4.8	25.3	30.2	4.8
Pneumonia/Influenza	152	7.9	14.7	4.3	12.5	20.3	5.1	15.1	24.8	5.6
Chronic Obstructive Pulmonary Disease	40	0.0	5.5	*	2.5	10.4	*	7.5	15.0	*
Transient Cerebral Ischemia	48	0.0	1.5	*	4.2	3.4	*	8.3	5.4	*
Stroke	113	19.5	21.1	4.6	25.7	27.4	4.6	31.0	31.9	4.6
Hip Fracture	74	1.4	5.7	3.6	4.1	10.5	5.0	9.5	13.8	5.1
Sepsis	26	26.9	22.4	*	30.8	29.8	*	34.6	35.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	5.6	*	0.0	8.7	*	0.0	11.4	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	42	0.0	3.1	*	0.0	5.8	*	4.8	7.6	*
Open Reduction of Hip Fracture	29	0.0	5.3	*	3.4	10.3	*	6.9	13.9	*
Prostatectomy	65	1.5	0.6	1.6	4.6	1.5	2.3	4.6	2.7	3.0
Cholecystectomy	31	0.0	1.6	*	3.2	2.6	*	6.5	3.4	*
Hysterectomy	7	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	177
Occupancy Rate	68
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	128
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	0
Registered Nurses	170
Licensed Practical Nurses	82

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARTHA JEFFERSON HOSPITAL

Medicare Provider Number: 490077

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,379	8.1	8.6	0.7	13.1	13.4	0.8	16.6	17.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	69	24.6	30.7	8.5	30.4	34.1	8.6	31.9	37.7	10.1
Congestive Heart Failure	118	7.6	14.7	6.0	20.3	22.3	4.9	27.1	28.7	4.5
Pneumonia/Influenza	103	9.7	14.8	4.7	12.6	20.3	6.4	16.5	24.7	7.1
Chronic Obstructive Pulmonary Disease	26	0.0	6.6	*	3.8	12.2	*	7.7	16.9	*
Transient Cerebral Ischemia	63	0.0	1.7	2.2	3.2	3.7	2.8	6.3	5.8	3.3
Stroke	105	22.9	21.7	4.5	28.6	28.2	4.5	35.2	32.8	5.2
Hip Fracture	87	6.9	5.4	3.2	12.6	10.1	3.9	17.2	13.4	6.5
Sepsis	29	31.0	22.4	*	34.5	29.5	*	37.9	35.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	7.2	*	5.9	10.4	*	11.8	13.1	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	57	5.3	3.2	4.0	8.8	6.2	4.1	10.5	8.5	4.8
Open Reduction of Hip Fracture	25	0.0	4.3	*	0.0	8.6	*	0.0	11.7	*
Prostatectomy	63	3.2	0.9	1.6	3.2	2.3	2.3	3.2	3.8	3.3
Cholecystectomy	25	0.0	2.1	*	4.0	4.1	*	4.0	5.7	*
Hysterectomy	9	0.0	0.2	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,536	7.9	8.1	0.6	12.0	12.5	0.8	15.5	16.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	78	29.5	33.6	9.4	29.5	37.4	10.2	34.6	41.2	9.9
Congestive Heart Failure	115	12.2	16.8	5.0	23.5	25.3	4.8	27.8	32.1	7.0
Pneumonia/Influenza	135	11.1	15.3	5.3	19.3	21.0	4.1	23.7	25.6	4.6
Chronic Obstructive Pulmonary Disease	28	7.1	10.6	*	7.1	17.3	*	14.3	22.2	*
Transient Cerebral Ischemia	70	2.9	1.6	1.9	4.3	3.5	2.4	7.1	5.6	3.5
Stroke	105	24.8	20.6	5.9	29.5	27.1	4.9	32.4	31.5	4.6
Hip Fracture	72	11.1	5.6	3.4	11.1	10.3	3.8	12.5	13.6	4.1
Sepsis	20	15.0	25.8	*	20.0	33.3	*	35.0	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	3.6	3.6	*	3.6	6.9	*	7.1	10.1	*
Carotid Endarterectomy	1	0.0	2.0	*	0.0	4.2	*	0.0	6.3	*
Hip Replacement/Reconstruction	61	3.3	2.4	2.1	3.3	4.4	2.8	3.3	5.8	3.7
Open Reduction of Hip Fracture	27	14.8	4.8	*	14.8	9.3	*	18.5	12.5	*
Prostatectomy	76	1.3	0.7	1.3	1.3	1.7	1.7	1.3	2.9	2.4
Cholecystectomy	32	0.0	1.5	*	0.0	2.5	*	0.0	3.1	*
Hysterectomy	15	6.7	0.5	*	6.7	1.0	*	6.7	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MARY IMMACULATE HOSPITAL

800 Denbigh Blvd
Newport News, VA 23602

Medicare Provider Number: 490041

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	771	8.9	7.9	1.2	12.1	11.9	1.2	14.5	15.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	25.5	*	35.7	28.8	*	35.7	32.3	*
Congestive Heart Failure	30	13.3	13.1	*	20.0	20.7	*	26.7	27.2	*
Pneumonia/Influenza	21	4.8	14.8	*	14.3	20.4	*	28.6	24.5	*
Chronic Obstructive Pulmonary Disease	23	13.0	6.6	*	17.4	12.0	*	17.4	16.8	*
Transient Cerebral Ischemia	18	5.6	1.7	*	5.6	3.8	*	5.6	6.2	*
Stroke	24	16.7	16.3	*	25.0	21.9	*	33.3	26.0	*
Hip Fracture	14	0.0	4.9	*	0.0	9.3	*	0.0	12.4	*
Sepsis	8	62.5	26.5	*	75.0	32.7	*	75.0	38.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	12.9	*	0.0	17.6	*	0.0	20.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	6.7	5.5	*	6.7	8.2	*	6.7	10.4	*
Open Reduction of Hip Fracture	5	0.0	4.6	*	0.0	9.0	*	0.0	12.1	*
Prostatectomy	11	0.0	0.8	*	0.0	1.9	*	0.0	3.3	*
Cholecystectomy	10	0.0	1.7	*	0.0	2.7	*	0.0	3.4	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	110
Occupancy Rate	61
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	187
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	146
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MARY IMMACULATE HOSPITAL

Medicare Provider Number: 490041

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	680	8.5	8.0	1.2	12.4	12.1	1.3	15.7	15.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	21	23.8	24.7	*	28.6	28.8	*	28.6	32.7	*
Congestive Heart Failure	38	7.9	12.9	*	7.9	19.5	*	21.1	25.4	*
Pneumonia/Influenza	20	5.0	13.1	*	15.0	18.1	*	15.0	22.2	*
Chronic Obstructive Pulmonary Disease	19	0.0	5.5	*	0.0	10.1	*	21.1	13.8	*
Transient Cerebral Ischemia	13	0.0	1.1	*	7.7	2.2	*	7.7	3.5	*
Stroke	28	28.6	21.1	*	32.1	27.6	*	42.9	32.1	*
Hip Fracture	13	7.7	5.9	*	15.4	11.2	*	15.4	15.0	*
Sepsis	9	33.3	28.7	*	33.3	38.2	*	44.4	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	12.3	*	0.0	17.1	*	0.0	18.8	*
Initial Pacemaker Insertion	2	0.0	13.1	*	0.0	21.7	*	0.0	27.3	*
Carotid Endarterectomy	1	0.0	1.7	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	6	0.0	3.2	*	0.0	6.5	*	0.0	9.0	*
Open Reduction of Hip Fracture	9	11.1	5.4	*	22.2	10.6	*	22.2	14.5	*
Prostatectomy	8	0.0	1.0	*	12.5	2.3	*	12.5	3.8	*
Cholecystectomy	12	0.0	2.5	*	0.0	4.2	*	0.0	5.1	*
Hysterectomy	2	0.0	0.1	*	0.0	0.1	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	582	8.6	7.2	1.2	14.6	10.8	2.0	17.5	13.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	15	46.7	31.5	*	60.0	35.8	*	66.7	39.7	*
Congestive Heart Failure	24	8.3	13.4	*	16.7	20.4	*	20.8	26.4	*
Pneumonia/Influenza	19	26.3	15.4	*	26.3	20.7	*	26.3	25.2	*
Chronic Obstructive Pulmonary Disease	12	16.7	7.9	*	16.7	13.0	*	25.0	17.5	*
Transient Cerebral Ischemia	17	0.0	1.7	*	11.8	3.7	*	23.5	5.9	*
Stroke	23	21.7	17.8	*	39.1	24.4	*	39.1	28.8	*
Hip Fracture	13	15.4	6.8	*	23.1	12.5	*	23.1	16.4	*
Sepsis	5	60.0	34.0	*	60.0	40.7	*	60.0	47.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.9	*	0.0	4.3	*	0.0	6.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	7.7	2.7	*	7.7	5.2	*	7.7	6.9	*
Open Reduction of Hip Fracture	7	14.3	6.5	*	28.6	12.4	*	28.6	16.4	*
Prostatectomy	6	0.0	1.6	*	0.0	3.7	*	0.0	5.7	*
Cholecystectomy	15	6.7	1.9	*	13.3	3.3	*	20.0	4.1	*
Hysterectomy	2	0.0	1.7	*	0.0	4.1	*	0.0	6.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MARY WASHINGTON HOSPITAL

2300 Fall Hill Ave
Fredericksburg, VA 22401

Medicare Provider Number: 490022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,920	8.8	9.2	0.7	13.9	14.1	0.9	17.2	18.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	74	31.1	26.7	7.2	37.8	29.9	9.3	40.5	33.4	10.0
Congestive Heart Failure	151	17.2	16.4	3.1	33.8	25.7	5.7	37.7	33.1	4.6
Pneumonia/Influenza	121	11.6	16.3	6.6	16.5	22.2	8.3	20.7	26.9	9.0
Chronic Obstructive Pulmonary Disease	40	0.0	6.4	*	2.5	11.2	*	7.5	15.7	*
Transient Cerebral Ischemia	50	2.0	1.7	*	6.0	3.7	*	8.0	6.0	*
Stroke	121	13.2	19.2	6.0	19.0	26.0	6.8	23.1	30.4	7.7
Hip Fracture	85	4.7	6.5	3.1	10.6	11.8	4.2	10.6	15.3	5.6
Sepsis	69	15.9	24.8	6.4	18.8	32.4	7.3	21.7	37.9	7.5
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	2.7	*	7.7	5.5	*	15.4	8.3	*
Carotid Endarterectomy	19	0.0	1.2	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	40	2.5	2.9	*	2.5	5.6	*	2.5	7.5	*
Open Reduction of Hip Fracture	31	9.7	7.2	*	16.1	13.3	*	16.1	17.2	*
Prostatectomy	78	0.0	0.8	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	56	0.0	2.4	*	0.0	4.0	*	0.0	5.0	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	299
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	115
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	0
Registered Nurses	228
Licensed Practical Nurses	105

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARY WASHINGTON HOSPITAL

Medicare Provider Number: 490022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,975	8.2	9.9	0.7	13.3	15.0	0.8	17.5	19.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	91	20.9	28.6	6.1	27.5	32.4	6.2	29.7	36.2	6.4
Congestive Heart Failure	165	13.3	15.7	4.3	23.6	24.1	3.4	30.9	30.9	3.7
Pneumonia/Influenza	95	7.4	16.8	6.2	13.7	22.6	6.3	21.1	27.3	5.7
Chronic Obstructive Pulmonary Disease	51	5.9	7.5	4.3	9.8	14.4	6.9	17.6	20.2	6.8
Transient Cerebral Ischemia	59	0.0	1.9	3.1	0.0	4.2	6.6	8.5	6.6	4.5
Stroke	139	13.7	21.0	4.3	19.4	28.5	5.3	24.5	33.3	5.2
Hip Fracture	69	4.3	6.3	3.3	10.1	11.4	4.0	15.9	14.7	5.2
Sepsis	61	23.0	29.0	8.8	31.1	36.7	9.2	37.7	42.7	9.4
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	6.8	*	23.5	11.2	*	29.4	14.8	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	22	0.0	2.6	*	0.0	5.0	*	4.5	6.6	*
Open Reduction of Hip Fracture	36	0.0	5.1	*	11.1	9.8	*	19.4	13.1	*
Prostatectomy	98	0.0	1.2	2.1	2.0	3.0	2.7	5.1	5.2	2.5
Cholecystectomy	46	6.5	3.6	*	8.7	6.5	*	8.7	8.5	*
Hysterectomy	11	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,905	9.2	10.8	0.8	14.4	16.2	0.9	18.7	20.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	93	26.9	29.8	5.4	34.4	33.2	5.0	34.4	36.6	5.8
Congestive Heart Failure	177	11.3	16.7	4.9	19.2	25.4	5.4	28.8	32.4	4.6
Pneumonia/Influenza	111	10.8	18.4	7.4	19.8	25.0	7.0	24.3	30.2	7.5
Chronic Obstructive Pulmonary Disease	49	6.1	10.3	*	12.2	18.6	*	20.4	25.4	*
Transient Cerebral Ischemia	46	0.0	2.0	*	0.0	4.4	*	4.3	7.1	*
Stroke	125	22.4	21.0	3.8	28.8	28.6	4.1	32.8	33.3	4.2
Hip Fracture	65	3.1	5.8	3.3	10.8	10.8	3.9	20.0	14.2	5.5
Sepsis	62	22.6	31.3	10.7	32.3	39.5	11.1	38.7	45.9	9.7
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	3.5	*	4.5	7.2	*	4.5	10.6	*
Carotid Endarterectomy	16	0.0	1.8	*	0.0	3.7	*	6.3	5.5	*
Hip Replacement/Reconstruction	36	0.0	4.4	*	11.1	8.7	*	22.2	11.8	*
Open Reduction of Hip Fracture	25	8.0	4.9	*	16.0	9.6	*	28.0	12.9	*
Prostatectomy	100	2.0	1.4	1.4	3.0	3.2	1.8	6.0	5.2	2.3
Cholecystectomy	53	1.9	3.0	2.7	1.9	4.7	4.1	3.8	5.6	4.1
Hysterectomy	19	0.0	0.8	*	10.5	1.7	*	10.5	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MARYVIEW HOSPITAL

3636 High Street
Portsmouth, VA 23707

Medicare Provider Number: 490017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,338	8.8	7.7	0.7	13.9	12.0	1.0	17.6	15.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	63	19.0	26.7	11.9	25.4	30.0	13.1	25.4	33.4	12.7
Congestive Heart Failure	114	14.0	13.9	4.7	30.7	22.1	6.2	37.7	28.9	6.9
Pneumonia/Influenza	74	17.6	15.4	4.5	18.9	21.1	5.3	27.0	25.6	5.5
Chronic Obstructive Pulmonary Disease	28	0.0	4.7	*	0.0	8.4	*	3.6	11.8	*
Transient Cerebral Ischemia	27	7.4	1.6	*	11.1	3.6	*	18.5	5.7	*
Stroke	92	26.1	20.9	7.9	32.6	26.9	9.3	34.8	31.2	7.9
Hip Fracture	65	7.7	6.1	5.5	13.8	11.1	7.5	16.9	14.5	6.5
Sepsis	16	37.5	26.0	*	50.0	33.1	*	56.3	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	2.9	*	6.3	5.1	*	6.3	7.0	*
Carotid Endarterectomy	17	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	50	6.0	3.5	*	8.0	6.4	*	8.0	8.5	*
Open Reduction of Hip Fracture	30	6.7	5.5	*	13.3	10.6	*	16.7	14.1	*
Prostatectomy	56	1.8	0.8	1.6	1.8	1.9	1.8	3.6	3.2	2.4
Cholecystectomy	38	0.0	1.6	*	2.6	2.8	*	2.6	3.6	*
Hysterectomy	12	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	288
Occupancy Rate	73
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	207
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	286
Licensed Practical Nurses	42

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MARYVIEW HOSPITAL

Medicare Provider Number: 490017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,246	9.3	8.7	0.9	14.2	13.3	1.2	17.4	17.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	56	33.9	28.9	7.4	37.5	32.4	7.6	39.3	36.2	6.9
Congestive Heart Failure	126	9.5	15.5	5.3	15.1	23.3	6.1	23.8	29.9	5.6
Pneumonia/Influenza	65	16.9	16.0	6.2	27.7	21.7	9.0	27.7	26.2	7.7
Chronic Obstructive Pulmonary Disease	30	10.0	7.5	*	23.3	12.8	*	30.0	17.6	*
Transient Cerebral Ischemia	39	2.6	1.7	*	7.7	3.9	*	10.3	6.1	*
Stroke	120	24.2	22.4	4.2	29.2	29.0	4.6	32.5	33.7	4.5
Hip Fracture	52	7.7	5.3	4.7	13.5	9.7	5.9	13.5	12.6	6.1
Sepsis	29	20.7	27.8	*	24.1	34.4	*	31.0	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	4.9	*	7.1	7.5	*	7.1	10.1	*
Carotid Endarterectomy	22	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	26	7.7	3.4	*	11.5	6.7	*	11.5	9.0	*
Open Reduction of Hip Fracture	27	7.4	4.8	*	11.1	9.1	*	11.1	12.0	*
Prostatectomy	61	0.0	0.7	1.8	1.6	1.8	2.9	4.9	3.0	3.6
Cholecystectomy	44	6.8	2.3	*	9.1	4.0	*	11.4	5.3	*
Hysterectomy	18	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,083	8.4	8.3	0.7	13.3	12.7	0.8	16.8	16.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	59	27.1	32.1	6.6	33.9	35.8	6.4	37.3	39.5	6.5
Congestive Heart Failure	105	12.4	15.7	4.6	23.8	23.2	4.4	26.7	29.5	5.2
Pneumonia/Influenza	64	15.6	17.5	5.5	21.9	23.9	6.0	31.3	28.8	8.5
Chronic Obstructive Pulmonary Disease	41	2.4	8.0	*	7.3	13.8	*	12.2	18.4	*
Transient Cerebral Ischemia	53	0.0	2.0	2.8	1.9	4.3	3.8	7.5	6.8	3.5
Stroke	106	22.6	21.5	4.4	32.1	27.9	5.6	35.8	32.5	6.3
Hip Fracture	30	3.3	5.4	*	6.7	9.8	*	13.3	12.8	*
Sepsis	16	50.0	32.0	*	50.0	41.3	*	50.0	48.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	2.8	*	5.6	6.1	*	5.6	9.3	*
Carotid Endarterectomy	32	0.0	1.5	*	3.1	2.8	*	12.5	4.1	*
Hip Replacement/Reconstruction	23	0.0	2.8	*	0.0	5.2	*	4.3	7.0	*
Open Reduction of Hip Fracture	19	5.3	5.2	*	10.5	9.8	*	10.5	12.9	*
Prostatectomy	64	1.6	0.9	1.5	1.6	2.2	2.0	1.6	3.8	2.8
Cholecystectomy	32	3.1	2.0	*	3.1	3.3	*	3.1	4.2	*
Hysterectomy	18	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Medicare Number 490017

MARYVIEW MEDICAL CENTER
Bon Secours Health System

Maryview Hospital
Maryview Psychiatric Hospital
Martha W. Davis Cancer Center
Maryview Wellspring Home Care

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

On behalf of Maryview Medical Center, a Bon Secours Health System, Incorporated facility, I thank you for the opportunity to comment on the mortality data that has been prepared by HCFA. As in previous years, the data have been reviewed.

To evaluate the significance of the data, a strict statistical confidence interval, that being 66% or one standard deviation, was calculated for each predicted rate for every category for the three years given. Those rare categories with observed rates beyond the calculated range were then further analyzed.

The fiscal year 1989 observed rate for all causes and congestive heart failure were compared to ranges obtained by computing a 95% prediction interval. As you know, this is the range HCFA has used for prediction of expected mortality in previous years. It was noted that every observed rate for every category fell within the predicted range.

Mortality review is one important part of the quality review activities at Maryview. Our medical staff continues to play an active role in the review and improvement of care as part of our committment to life.

HCFA's continuing efforts to refine its methodologies for evaluating and reporting mortality data are applauded.

Sincerely,

John H. Yoder
Senior Vice President/Operations

3636 High Street, Portsmouth, Virginia 23707 804/398-2200

MEDICAL COLLEGE OF VIRGINIA HOSPITALS

401 N 12th St, MCV Station Box 510
Richmond, VA 23298

Medicare Provider Number: 490032

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,211	7.8	8.4	0.7	13.2	13.2	0.7	16.7	16.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	79	21.5	27.0	5.9	26.6	30.0	5.5	29.1	33.3	5.6
Congestive Heart Failure	105	11.4	13.8	4.2	20.0	21.8	6.5	25.7	28.4	5.6
Pneumonia/Influenza	72	16.7	13.5	4.7	19.4	18.7	4.6	20.8	22.8	5.3
Chronic Obstructive Pulmonary Disease	10	20.0	8.9	*	20.0	16.2	*	20.0	22.8	*
Transient Cerebral Ischemia	44	0.0	1.5	*	0.0	3.3	*	2.3	5.2	*
Stroke	101	22.8	18.4	6.6	29.7	24.2	8.7	32.7	28.3	6.9
Hip Fracture	23	8.7	10.0	*	13.0	16.1	*	17.4	19.5	*
Sepsis	10	50.0	21.6	*	50.0	28.4	*	50.0	34.0	*
PROCEDURES:										
Angioplasty	118	1.7	4.3	2.3	2.5	5.9	2.7	5.9	7.4	2.6
Coronary Artery Bypass Graft	140	6.4	6.0	2.4	11.4	8.7	2.8	12.9	10.4	3.3
Initial Pacemaker Insertion	12	0.0	8.9	*	33.3	15.6	*	33.3	20.3	*
Carotid Endarterectomy	8	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	41	0.0	1.1	*	0.0	1.9	*	0.0	2.6	*
Open Reduction of Hip Fracture	13	0.0	6.3	*	7.7	11.6	*	7.7	15.2	*
Prostatectomy	21	0.0	1.1	*	0.0	2.8	*	4.8	4.9	*
Cholecystectomy	38	2.6	4.4	*	2.6	8.0	*	5.3	10.6	*
Hysterectomy	26	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	903
Occupancy Rate	80
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	400
Registered Nurses	1,171
Licensed Practical Nurses	334

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MEDICAL COLLEGE OF VIRGINIA HOSPITALS

Medicare Provider Number: 490032

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,259	8.5	8.6	0.6	14.1	13.5	0.8	18.1	17.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	71	14.1	29.8	6.7	26.8	33.3	6.1	32.4	37.1	5.8
Congestive Heart Failure	123	9.8	14.6	3.9	22.8	22.4	4.0	29.3	28.8	4.3
Pneumonia/Influenza	51	15.7	13.7	7.6	25.5	18.9	8.7	29.4	23.3	11.1
Chronic Obstructive Pulmonary Disease	16	12.5	11.7	*	25.0	19.8	*	37.5	26.7	*
Transient Cerebral Ischemia	57	0.0	1.8	2.4	0.0	3.7	4.0	3.5	5.7	4.5
Stroke	99	14.1	21.2	5.8	23.2	27.0	5.7	26.3	31.2	5.9
Hip Fracture	22	0.0	4.8	*	9.1	8.8	*	9.1	11.5	*
Sepsis	9	44.4	26.2	*	44.4	35.4	*	44.4	41.5	*
PROCEDURES:										
Angioplasty	118	0.8	4.6	2.5	3.4	6.0	3.3	7.6	7.3	5.4
Coronary Artery Bypass Graft	135	5.9	7.4	2.9	11.1	10.6	3.3	12.6	12.4	2.8
Initial Pacemaker Insertion	22	9.1	6.2	*	13.6	9.6	*	18.2	12.4	*
Carotid Endarterectomy	9	0.0	1.9	*	0.0	3.6	*	11.1	5.2	*
Hip Replacement/Reconstruction	49	0.0	2.0	*	2.0	3.8	*	4.1	5.3	*
Open Reduction of Hip Fracture	5	0.0	5.3	*	20.0	10.4	*	20.0	14.0	*
Prostatectomy	24	8.3	1.3	*	8.3	3.2	*	12.5	5.3	*
Cholecystectomy	31	0.0	5.3	*	9.7	10.1	*	12.9	13.1	*
Hysterectomy	24	0.0	2.2	*	4.2	4.3	*	4.2	5.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,084	8.4	9.3	0.7	14.2	14.5	0.8	18.7	18.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	77	18.2	25.2	6.9	19.5	28.9	7.7	22.1	32.5	8.4
Congestive Heart Failure	102	11.8	16.2	6.2	20.6	24.7	7.2	28.4	31.5	5.5
Pneumonia/Influenza	50	10.0	15.7	*	20.0	21.4	*	26.0	25.8	*
Chronic Obstructive Pulmonary Disease	17	23.5	9.4	*	35.3	16.4	*	41.2	21.9	*
Transient Cerebral Ischemia	36	0.0	1.5	*	0.0	3.1	*	2.8	4.8	*
Stroke	111	21.6	21.6	4.1	31.5	27.9	5.3	33.3	32.1	4.9
Hip Fracture	24	0.0	7.0	*	16.7	12.6	*	20.8	16.3	*
Sepsis	9	55.6	24.1	*	66.7	33.2	*	66.7	39.5	*
PROCEDURES:										
Angioplasty	98	4.1	4.5	2.2	5.1	5.9	2.7	6.1	7.3	3.2
Coronary Artery Bypass Graft	122	6.6	7.6	2.7	8.2	10.5	3.6	10.7	12.2	4.1
Initial Pacemaker Insertion	13	7.7	5.2	*	7.7	9.2	*	7.7	12.4	*
Carotid Endarterectomy	10	0.0	1.8	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction	36	0.0	3.5	*	8.3	6.9	*	8.3	9.5	*
Open Reduction of Hip Fracture	11	0.0	7.3	*	18.2	14.0	*	27.3	18.7	*
Prostatectomy	47	0.0	1.2	*	2.1	2.9	*	8.5	5.0	*
Cholecystectomy	20	10.0	6.1	*	20.0	9.6	*	20.0	12.4	*
Hysterectomy	22	0.0	1.5	*	4.5	3.3	*	18.2	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Medical College of Virginia Hospitals
Virginia Commonwealth University

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I am writing to share my comments regarding the release of the 1989 Medicare Mortality Data. We are pleased that the medical College of Virginia Hospitals has consistently had expected mortality rates that are within or slightly below the predicted statistical confidence intervals. One point I would like to make is that this data would be even more useful if it included such factors as severity of illness, nursing home transfers and patient's status at admission.

In addition, I would like to provide some data which was missing from the hospital characteristics section. The Medical College of Virginia Hospitals has 613 physicians with full admitting privileges and 88% of those physicians are board certified.

Thank you for the opportunity to comment.

Sincerely,

Peter Rapp

Peter Rapp
Administrator
Medical College of Virginia Hospitals

/ep

MEMORIAL HOSPITAL

142 S Main St
Danville, VA 24541

Medicare Provider Number: 490075

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,345	10.6	9.7	0.9	15.7	14.8	1.1	19.3	18.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	171	29.8	26.6	4.6	33.3	29.9	5.8	37.4	33.1	7.3
Congestive Heart Failure	229	17.0	14.2	4.8	25.3	21.9	6.4	31.9	28.4	5.8
Pneumonia/Influenza	113	15.0	18.9	4.9	21.2	25.3	6.0	23.9	30.3	8.1
Chronic Obstructive Pulmonary Disease	14	0.0	5.9	*	0.0	10.2	*	7.1	14.2	*
Transient Cerebral Ischemia	61	3.3	1.7	2.1	3.3	3.8	2.6	3.3	6.0	4.3
Stroke	139	24.5	20.4	4.0	36.7	27.4	5.6	43.2	31.8	6.5
Hip Fracture	83	8.4	7.0	3.1	10.8	12.3	3.9	13.3	15.8	5.2
Sepsis	51	25.5	25.1	6.9	35.3	35.3	7.6	43.1	41.9	7.2
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	3.6	*	10.0	6.5	*	10.0	9.3	*
Carotid Endarterectomy	2	0.0	0.9	*	0.0	1.5	*	0.0	2.2	*
Hip Replacement/Reconstruction	34	2.9	3.2	*	2.9	6.0	*	2.9	8.2	*
Open Reduction of Hip Fracture	50	6.0	5.6	*	6.0	10.4	*	8.0	13.6	*
Prostatectomy	94	2.1	1.0	1.4	6.4	2.4	3.2	7.4	3.9	4.3
Cholecystectomy	73	0.0	2.9	2.8	2.7	5.2	3.2	5.5	6.8	3.2
Hysterectomy	41	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	391
Occupancy Rate	68
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	110
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	0
Registered Nurses	208
Licensed Practical Nurses	145

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL

Medicare Provider Number: 490075

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,239	10.7	10.2	0.7	15.8	15.4	1.1	20.0	19.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	152	26.3	29.0	4.4	30.9	32.5	3.9	38.8	36.0	4.1
Congestive Heart Failure	215	25.1	16.2	3.7	32.6	24.6	3.9	36.3	31.6	3.5
Pneumonia/Influenza	143	18.2	18.2	3.2	27.3	24.2	4.0	29.4	29.0	4.1
Chronic Obstructive Pulmonary Disease	18	16.7	8.2	*	22.2	13.4	*	27.8	18.2	*
Transient Cerebral Ischemia	65	0.0	2.0	2.4	4.6	4.2	2.5	7.7	6.7	3.4
Stroke	121	19.8	20.8	3.7	24.0	28.1	4.5	28.1	32.8	4.7
Hip Fracture	91	5.5	6.8	3.8	8.8	12.4	5.9	9.9	15.9	6.9
Sepsis	39	15.4	25.1	*	23.1	33.5	*	33.3	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	13.6	*	20.0	18.9	*	20.0	23.4	*
Carotid Endarterectomy	6	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	41	0.0	4.3	*	2.4	8.4	*	2.4	11.3	*
Open Reduction of Hip Fracture	59	8.5	6.2	4.5	11.9	11.8	5.4	13.6	15.5	7.0
Prostatectomy	97	0.0	1.1	1.5	0.0	2.7	2.9	1.0	4.5	3.6
Cholecystectomy	61	3.3	1.4	2.4	3.3	2.5	2.4	3.3	3.2	2.6
Hysterectomy	24	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,467	10.8	10.0	0.8	16.1	15.1	0.9	19.9	19.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	184	25.0	29.7	6.3	28.8	33.1	6.2	33.2	36.5	5.3
Congestive Heart Failure	224	21.0	16.1	3.6	31.3	24.3	4.5	38.8	31.1	5.1
Pneumonia/Influenza	124	16.1	17.4	4.0	19.4	23.2	6.0	24.2	27.9	6.3
Chronic Obstructive Pulmonary Disease	16	6.3	11.5	*	12.5	18.3	*	12.5	23.9	*
Transient Cerebral Ischemia	50	0.0	2.0	*	2.0	4.2	*	2.0	6.6	*
Stroke	137	19.0	20.2	4.6	25.5	27.3	4.2	32.8	31.7	4.5
Hip Fracture	89	5.6	6.5	2.7	14.6	11.6	4.2	15.7	14.9	4.6
Sepsis	38	21.1	24.4	*	26.3	34.3	*	36.8	41.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	13.0	6.2	*	13.0	10.6	*	17.4	14.1	*
Carotid Endarterectomy	2	50.0	2.6	*	50.0	4.4	*	50.0	6.4	*
Hip Replacement/Reconstruction	44	6.8	5.2	*	9.1	10.1	*	9.1	13.6	*
Open Reduction of Hip Fracture	51	2.0	6.1	5.0	11.8	11.3	5.6	13.7	14.6	5.0
Prostatectomy	123	3.3	1.1	2.0	7.3	2.7	3.9	8.9	4.5	4.1
Cholecystectomy	78	5.1	2.6	2.2	9.0	4.4	3.4	11.5	5.5	4.0
Hysterectomy	34	2.9	0.5	*	5.9	1.1	*	5.9	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEMORIAL HOSPITAL MARTINSVILLE

P O Box 4788
Martinsville, VA 24112

Medicare Provider Number: 490079

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,013	10.1	8.6	0.8	14.9	13.1	1.0	17.6	16.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	51	27.5	26.0	8.1	35.3	29.0	10.0	37.3	32.3	7.8
Congestive Heart Failure	129	19.4	14.5	4.7	30.2	22.3	7.1	36.4	29.0	7.4
Pneumonia/Influenza	106	18.9	16.2	5.6	26.4	21.8	7.6	31.1	26.4	7.0
Chronic Obstructive Pulmonary Disease	20	10.0	3.9	*	10.0	7.8	*	15.0	11.5	*
Transient Cerebral Ischemia	25	0.0	1.6	*	0.0	3.6	*	0.0	5.6	*
Stroke	100	20.0	20.3	5.0	28.0	26.7	5.5	31.0	30.9	4.9
Hip Fracture	67	9.0	6.5	4.6	14.9	11.7	5.4	16.4	15.1	5.4
Sepsis	23	21.7	23.3	*	43.5	31.3	*	47.8	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	5.1	*	16.7	7.4	*	16.7	10.1	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	31	3.2	3.1	*	6.5	5.8	*	6.5	7.8	*
Open Reduction of Hip Fracture	40	7.5	5.7	*	10.0	10.6	*	12.5	13.9	*
Prostatectomy	100	0.0	1.3	1.5	1.0	2.9	2.1	2.0	4.8	2.8
Cholecystectomy	56	8.9	3.1	4.5	12.5	5.7	5.5	14.3	7.8	5.9
Hysterectomy	12	0.0	0.5	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	178
Occupancy Rate	77
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	72
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	134
Licensed Practical Nurses	83

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL MARTINSVILLE

Medicare Provider Number: 490079

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,902	9.0	8.4	0.9	12.4	12.9	1.0	15.4	16.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	49	24.5	25.5	*	28.6	28.4	*	28.6	31.6	*
Congestive Heart Failure	139	12.9	14.6	3.5	21.6	21.8	3.5	30.2	28.1	4.3
Pneumonia/Influenza	93	18.3	15.5	6.2	25.8	20.9	6.1	29.0	25.3	7.4
Chronic Obstructive Pulmonary Disease	25	4.0	5.5	*	12.0	10.4	*	16.0	14.8	*
Transient Cerebral Ischemia	18	0.0	1.9	*	0.0	4.3	*	0.0	6.9	*
Stroke	74	31.1	17.8	7.5	33.8	24.8	6.4	33.8	29.3	5.6
Hip Fracture	40	7.5	6.3	*	12.5	11.6	*	12.5	15.2	*
Sepsis	17	17.6	23.0	*	29.4	30.6	*	41.2	35.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	12.2	*	16.7	16.3	*	16.7	20.0	*
Carotid Endarterectomy	9	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	28	3.6	2.4	*	7.1	4.5	*	7.1	5.9	*
Open Reduction of Hip Fracture	22	9.1	5.8	*	13.6	11.0	*	13.6	14.6	*
Prostatectomy	107	0.9	0.9	1.0	2.8	2.2	1.6	4.7	3.6	2.4
Cholecystectomy	54	1.9	2.2	2.1	3.7	3.9	3.1	3.7	5.1	3.8
Hysterectomy	11	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,960	10.2	8.2	0.9	13.6	12.5	0.9	16.8	16.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	46	39.1	27.8	*	39.1	30.6	*	39.1	33.8	*
Congestive Heart Failure	130	17.7	15.5	5.6	23.1	23.4	6.0	33.1	30.2	6.1
Pneumonia/Influenza	83	25.3	17.3	7.9	32.5	23.4	8.1	36.1	28.4	7.8
Chronic Obstructive Pulmonary Disease	27	3.7	6.4	*	7.4	11.6	*	22.2	16.5	*
Transient Cerebral Ischemia	33	3.0	1.8	*	6.1	4.0	*	6.1	6.4	*
Stroke	74	27.0	17.8	6.3	29.7	24.6	5.8	32.4	28.8	5.6
Hip Fracture	51	7.8	6.3	4.2	11.8	11.3	4.5	11.8	14.5	5.7
Sepsis	12	16.7	24.2	*	33.3	33.4	*	41.7	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	3.4	*	33.3	7.1	*	33.3	10.6	*
Carotid Endarterectomy	7	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	34	2.9	2.8	*	8.8	5.2	*	8.8	6.8	*
Open Reduction of Hip Fracture	28	10.7	5.6	*	10.7	10.3	*	10.7	13.4	*
Prostatectomy	101	1.0	0.8	1.0	1.0	2.0	1.7	3.0	3.4	1.9
Cholecystectomy	54	7.4	3.8	4.5	9.3	6.3	4.4	9.3	8.1	4.1
Hysterectomy	12	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

241.1

Memorial Hospital
of Martinsville & Henry County

January 10, 1991

Medicare Provider ID #490079

Health Care Financing Administration
Health Standards and Quality Bureau
ATTENTION; Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

RE: **MEDICARE HOSPITAL MORTALITY INFORMATION**

Dear Mrs. Kappert:

Review of the 1989 mortality rate for Memorial Hospital of Martinsville and Henry County reveals no significant changes in patterns from the previous years of 1987 and 1988. As may be expected, the establishment of a cancer center would certainly play a part in the increased number of hospice patients receiving terminal care in a hospital setting. We also noted 41.9% of the deaths occurred in patients greater than the age of 80.

It has been noted that in a number of cases the principal diagnosis of the quoted admission was unrelated to the principal diagnosis at time of death. For example, initial principal diagnosis of 599.0 UTI assigned to a patient expiring with a principal diagnosis of 166.3, malignant neoplasm of upper lobe, bronchus/lung; however, it is noted that comorbidities at the time of the initial admission may have been a factor. It is also noted that in some admissions, the date of death occurs outside the 180 day limit from the quoted admission. For example, a patient with condition/procedure category 2C, admitted 12/04/88, discharged 12/10/88; whose death occurred 08/25/89.

We are happy to again note that all mortality rates for the three fiscal years for the diagnostic categories fall within the 95% predicted range.

We will share this data with the hospital's Board of Trustees and the hospital's Medical Staff, including the Quality Assessment Committee. Our Medical Staff continues to include monthly mortality review as a part of their monitoring process as well as readmissions.

Sincerely,
Clyde L. Britt
Clyde L. Britt
Executive Director

CLB/ntm

METROPOLITAN HOSPITAL

700 West Grace St
Richmond, VA 23220

Medicare Provider Number: 490124

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	870	10.1	9.9	1.1	17.0	15.5	1.5	22.0	19.8	1.9
CONDITIONS:										
Acute Myocardial Infarction	13	46.2	26.7	*	46.2	30.7	*	53.8	34.4	*
Congestive Heart Failure	41	14.6	14.4	*	22.0	22.9	*	36.6	29.7	*
Pneumonia/Influenza	30	10.0	19.6	*	13.3	27.1	*	20.0	32.6	*
Chronic Obstructive Pulmonary Disease	9	11.1	3.6	*	11.1	6.6	*	22.2	9.4	*
Transient Cerebral Ischemia	12	0.0	1.7	*	8.3	3.6	*	8.3	5.6	*
Stroke	24	16.7	21.5	*	33.3	28.3	*	41.7	33.1	*
Hip Fracture	16	0.0	5.6	*	12.5	9.8	*	12.5	12.7	*
Sepsis	29	31.0	23.5	*	37.9	31.3	*	41.4	37.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	3.0	*	16.7	6.3	*	33.3	9.3	*
Carotid Endarterectomy	2	0.0	2.4	*	0.0	4.6	*	0.0	6.7	*
Hip Replacement/Reconstruction	8	0.0	4.0	*	0.0	7.5	*	0.0	10.0	*
Open Reduction of Hip Fracture	7	0.0	5.2	*	28.6	9.3	*	28.6	12.0	*
Prostatectomy	6	0.0	4.4	*	16.7	9.1	*	16.7	12.5	*
Cholecystectomy	4	0.0	3.1	*	0.0	5.8	*	0.0	7.5	*
Hysterectomy	3	0.0	8.0	*	0.0	10.4	*	0.0	12.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	180
Occupancy Rate	58
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	424
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	5
Registered Nurses	96
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

METROPOLITAN HOSPITAL

Medicare Provider Number: 490124

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	831	9.0	9.4	1.1	15.9	14.7	1.5	20.5	18.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	17	23.5	24.2	*	41.2	27.7	*	41.2	31.2	*
Congestive Heart Failure	49	20.4	15.2	*	28.6	23.8	*	32.7	31.0	*
Pneumonia/Influenza	28	7.1	15.2	*	14.3	20.6	*	21.4	25.0	*
Chronic Obstructive Pulmonary Disease	14	7.1	6.5	*	7.1	12.3	*	7.1	17.2	*
Transient Cerebral Ischemia	17	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Stroke	23	34.8	22.3	*	39.1	28.8	*	43.5	33.5	*
Hip Fracture	14	7.1	5.1	*	7.1	9.7	*	14.3	12.9	*
Sepsis	25	24.0	32.4	*	44.0	41.5	*	44.0	48.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.8	*	0.0	7.4	*	25.0	10.6	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	8	0.0	2.8	*	0.0	5.6	*	12.5	7.6	*
Open Reduction of Hip Fracture	4	25.0	5.2	*	25.0	10.2	*	25.0	13.7	*
Prostatectomy	12	0.0	0.8	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	9	0.0	3.6	*	0.0	6.7	*	0.0	8.8	*
Hysterectomy	1	0.0	0.0	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	777	8.4	9.1	1.8	14.7	14.0	2.0	18.0	17.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	19	26.3	28.7	*	31.6	31.9	*	31.6	35.4	*
Congestive Heart Failure	30	10.0	14.7	*	23.3	22.9	*	23.3	29.7	*
Pneumonia/Influenza	18	16.7	15.8	*	16.7	21.7	*	22.2	26.5	*
Chronic Obstructive Pulmonary Disease	3	33.3	12.4	*	33.3	20.2	*	33.3	26.4	*
Transient Cerebral Ischemia	21	4.8	2.1	*	4.8	4.6	*	4.8	7.5	*
Stroke	36	16.7	24.5	*	25.0	30.9	*	30.6	35.7	*
Hip Fracture	10	10.0	5.0	*	20.0	9.3	*	20.0	12.2	*
Sepsis	22	22.7	24.4	*	40.9	33.4	*	40.9	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	2.6	*	16.7	5.6	*	16.7	8.7	*
Carotid Endarterectomy	2	0.0	0.9	*	0.0	1.5	*	0.0	2.2	*
Hip Replacement/Reconstruction	6	0.0	3.0	*	0.0	5.5	*	0.0	7.1	*
Open Reduction of Hip Fracture	6	16.7	4.1	*	33.3	8.2	*	33.3	11.2	*
Prostatectomy	13	0.0	1.1	*	0.0	2.8	*	0.0	4.7	*
Cholecystectomy	11	18.2	4.9	*	27.3	8.7	*	27.3	11.5	*
Hysterectomy	4	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MONTGOMERY REGIONAL HOSPITAL

Route 460 South
Blacksburg, VA 24060

Medicare Provider Number: 490110

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,012	6.5	8.0	1.3	9.8	12.4	1.5	13.6	16.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	36	22.2	23.7	*	22.2	27.5	*	22.2	31.0	*
Congestive Heart Failure	54	13.0	14.7	5.4	24.1	23.3	6.9	35.2	30.3	10.0
Pneumonia/Influenza	46	23.9	18.8	*	23.9	25.5	*	30.4	30.6	*
Chronic Obstructive Pulmonary Disease	34	0.0	6.2	*	2.9	12.2	*	11.8	17.7	*
Transient Cerebral Ischemia	18	11.1	1.9	*	11.1	4.4	*	11.1	7.1	*
Stroke	42	19.0	19.4	*	28.6	25.8	*	31.0	30.2	*
Hip Fracture	44	0.0	6.6	*	2.3	12.0	*	4.5	15.6	*
Sepsis	6	50.0	32.1	*	50.0	38.1	*	50.0	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.1	*	0.0	9.0	*	0.0	13.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	30	0.0	4.0	*	3.3	7.7	*	6.7	10.4	*
Open Reduction of Hip Fracture	21	0.0	5.9	*	0.0	11.1	*	0.0	14.6	*
Prostatectomy	21	4.8	0.5	*	4.8	1.3	*	9.5	2.2	*
Cholecystectomy	21	4.8	2.3	*	4.8	3.8	*	4.8	5.2	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	115
Occupancy Rate	54
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	35
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	0
Registered Nurses	89
Licensed Practical Nurses	41

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

Medicare Provider Number:

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES										
CONDITIONS:										
Acute Myocardial Infarction										
Congestive Heart Failure										
Pneumonia/Influenza										
Chronic Obstructive Pulmonary Disease										
Transient Cerebral Ischemia										
Stroke										
Hip Fracture										
Sepsis										
PROCEDURES:										
Angioplasty										
Coronary Artery Bypass Graft										
Hnh▮hal Lbemakeq Hnseh▮hk										

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

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**MONTGOMERY
REGIONAL
HOSPITAL**

January 14, 1991 Medicare Provider Number: 490110

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We at Montgomery Regional Hospital appreciate the opportunity to respond to HCFA's report entitled Medicare Hospital Mortality Information for fiscal years 1987, 1988, and 1989.

In reviewing the information provided, the following observations were made:

1. The number of cases or deaths in a category were too small to calculate the standard deviation in the majority of categories.
2. In certain categories, death did not occur in our facility. Therefore, we could not directly relate death to the condition or procedure in that category.
3. Observed rates were below or near the predicted mortality rates in the majority of instances. We attribute high observed rates to insufficient cases reviewed for the specific category.

Montgomery Regional Hospital strives to improve the quality of patient care. We appreciate tools such as this report to assist us in accomplishing this goal. We feel that death statistics alone do not provide enough information to accurately assess the quality of patient care.

Peer review of deaths is an ongoing process. Our hospitalwide quality improvement program examines numerous variables in evaluating the quality of care within our facility, thus assuring the highest quality of care achieveable. Again, we thank you for the opportunity to respond to this report and to clarify areas in question.

Sincerely,

Robert D. Fraraccio
Administrator

*Route 460 South
Blacksburg, Virginia 24060
Telephone (703) 951-1111*

An Affiliate of
**HEALTHTRUST
INC.** *The Hospital Company*

MT VERNON HOSPITAL

2501 Parkers Lane
Alexandria, VA 22306

Medicare Provider Number: 490122

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,248	7.5	9.5	1.3	12.1	14.4	1.5	15.5	18.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	39	20.5	26.0	*	23.1	29.6	*	28.2	33.1	*
Congestive Heart Failure	64	7.8	16.0	7.2	12.5	24.9	8.8	20.3	32.0	9.1
Pneumonia/Influenza	58	20.7	17.8	5.6	27.6	23.8	8.3	31.0	28.6	7.3
Chronic Obstructive Pulmonary Disease	25	4.0	7.0	*	8.0	12.7	*	12.0	17.8	*
Transient Cerebral Ischemia	11	0.0	1.8	*	0.0	3.9	*	0.0	6.1	*
Stroke	44	9.1	21.6	*	15.9	27.4	*	20.5	31.7	*
Hip Fracture	33	9.1	6.9	*	9.1	12.0	*	9.1	15.3	*
Sepsis	24	33.3	32.4	*	41.7	42.1	*	41.7	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.4	*	20.0	4.8	*	20.0	7.3	*
Carotid Endarterectomy	5	20.0	1.2	*	20.0	2.4	*	20.0	3.6	*
Hip Replacement/Reconstruction	21	0.0	3.9	*	0.0	7.8	*	0.0	10.8	*
Open Reduction of Hip Fracture	15	13.3	7.7	*	13.3	13.7	*	13.3	17.4	*
Prostatectomy	26	0.0	1.8	*	0.0	3.4	*	3.8	5.0	*
Cholecystectomy	26	0.0	2.0	*	0.0	3.7	*	0.0	5.1	*
Hysterectomy	9	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	211
Occupancy Rate	77
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	184
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	210
Licensed Practical Nurses	2

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MT VERNON HOSPITAL

Medicare Provider Number: 490122

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,099	7.9	9.9	1.1	13.9	14.9	1.3	17.4	18.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	31	29.0	28.7	*	35.5	32.2	*	35.5	35.7	*
Congestive Heart Failure	62	11.3	13.7	6.5	17.7	20.8	7.4	25.8	27.0	5.9
Pneumonia/Influenza	51	7.8	18.4	7.2	25.5	25.2	6.9	31.4	30.2	6.5
Chronic Obstructive Pulmonary Disease	25	8.0	11.3	*	20.0	19.0	*	24.0	24.8	*
Transient Cerebral Ischemia	15	0.0	2.3	*	0.0	5.0	*	0.0	7.8	*
Stroke	48	18.7	24.8	*	22.9	30.9	*	27.1	35.5	*
Hip Fracture	32	0.0	5.3	*	6.3	9.5	*	12.5	12.3	*
Sepsis	8	75.0	32.2	*	75.0	39.2	*	75.0	45.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	8.0	*	20.0	11.0	*	20.0	13.9	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction	18	5.6	4.1	*	5.6	7.4	*	5.6	9.5	*
Open Reduction of Hip Fracture	15	0.0	4.4	*	6.7	8.4	*	20.0	11.1	*
Prostatectomy	22	0.0	1.0	*	0.0	2.3	*	0.0	3.9	*
Cholecystectomy	14	0.0	1.2	*	0.0	2.1	*	0.0	2.7	*
Hysterectomy	15	0.0	0.9	*	0.0	2.0	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,014	8.6	8.4	0.9	13.3	13.0	1.1	16.6	16.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	27	29.6	26.7	*	29.6	29.6	*	29.6	32.8	*
Congestive Heart Failure	51	17.6	14.0	5.8	19.6	21.5	6.0	25.5	27.9	7.3
Pneumonia/Influenza	50	18.0	17.0	*	26.0	23.1	*	26.0	27.9	*
Chronic Obstructive Pulmonary Disease	15	26.7	12.1	*	26.7	20.0	*	26.7	25.9	*
Transient Cerebral Ischemia	18	5.6	1.9	*	5.6	3.9	*	11.1	6.2	*
Stroke	28	35.7	21.2	*	39.3	27.3	*	42.9	31.7	*
Hip Fracture	36	13.9	7.6	*	16.7	13.1	*	16.7	16.5	*
Sepsis	9	22.2	33.7	*	33.3	43.3	*	77.8	50.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.4	*	0.0	3.3	*	0.0	5.2	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	9	0.0	4.2	*	0.0	7.8	*	0.0	10.2	*
Open Reduction of Hip Fracture	25	16.0	6.2	*	16.0	11.3	*	16.0	14.6	*
Prostatectomy	26	0.0	1.0	*	0.0	2.5	*	0.0	4.3	*
Cholecystectomy	13	7.7	4.5	*	7.7	7.8	*	7.7	9.5	*
Hysterectomy	7	0.0	1.5	*	0.0	3.3	*	0.0	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

247.1

MOUNT VERNON HOSPITAL
FAIRFAX HOSPITAL SYSTEM

MEDICARE PROVIDER # 490122

2501 Parker's Lane
Alexandria, Virginia 22306
703 664-7000

Stephen C. Rupp
Vice President, Fairfax Hospital System
Administrator, Mount Vernon Hospital

10 January 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2- Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert:

As Administrator and Medical Staff President of Mount Vernon Hospital we support efforts to enhance consumer understanding of the health care delivery system and the quality of the care they receive.

In responding to the report we would first like to verify the data and make the following observations:

DATA VERIFICATION/IDENTIFIED ERRORS

o The HCFA data indicates that Mount Vernon Hospital treated 1,248 Medicare patients in 1989. Mount Vernon Hospital (MVH) 1989 records show 1,868 Medicare Cases treated during that period. The discrepancy could be partly due to the fact that HCFA only includes the last admission for those patients hospitalized more than once during the year.

o All patients listed by HCFA have been verified with the exception of errors attached. (See Attachment A)

o Mount Vernon Hospital characteristics for 1989 are corrected as follows:

Beds (#) - set up and staffed	211
Occupancy rate (%)	74%
Total # of physicians	193
% of physicians who are board-certified specialists	86%
Registered nurses per occupied bed	.95
Cardiac Intensive Care Unit	Yes

DATA INTERPRETATION

We would like to note that in most of the diagnostic categories, Mount Vernon Hospital's 1989 observed mortality rate is lower than the expected mortality rate projected by HCFA. In many instances, the number of deaths observed within a given category in 1989 was too low to precisely estimate the standard deviation or to establish an expected range for mortality rates. Therefore, even though the observed mortality rate may he higher than the expected rate, the low numbers involved in those calculations may cause the data to be imprecise and should not be used for any kind of interpretation.

A Tradition of Innovative Caring

In the category of Pneumonia/Influenza, the observed mortality was above the predicted rate of mortality. However, since the variance between the observed rate and the predicted rate was less than one standard deviation, we are confident that the variance is one which occurs by chance or that it is a random variation rather than one which indicates a potential quality concern.

In summary, we are pleased with the findings of the HCFA data. The information can be used to complement our ongoing quality assurance program which includes review of all deaths in the hospital, not just Medicare cases. Although each of the Medicare mortality cases had been previously reviewed, Mount Vernon has now reexamined these cases and is again, satisfied that the quality of care provided was appropriate.

Aside from these overall interpretations of the results we would like to note the following additional observations:

1. Mount Vernon Hospital is not routinely informed of death post-discharge. Therefore it was not possible to verify or review the cause of deaths which HCFA reports as occurring after discharge.

2. Of the deaths noted by HCFA, 46 patients died after their discharge date. Those patients had been discharged to the following destinations:

23	Discharged Home
1	Another Hospital
5	Skilled Care Facility
9	Intermediate Care Facility
2	To Another Institution
6	Home Care Follow Up

We appreciate this opportunity to comment on this data.

Sincerely,

Steve Rupp

Stephen C. Rupp
Administrator

S Robson M.D

Scott Robson, M.D.
President, Medical Staff

/lr

Attachment

mort.90

NATIONAL ORTHO & REHAB HOSPITAL

2455 Army-Navy Dr
Arlington, VA 22206

Medicare Provider Number: 490014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	813	4.9	6.6	1.3	9.0	9.6	1.7	10.3	12.1	1.9
CONDITIONS:										
Acute Myocardial Infarction	9	33.3	30.4	*	55.6	33.4	*	55.6	36.5	*
Congestive Heart Failure	23	4.3	15.9	*	17.4	24.5	*	21.7	31.7	*
Pneumonia/Influenza	22	27.3	19.6	*	36.4	26.3	*	36.4	31.5	*
Chronic Obstructive Pulmonary Disease	10	20.0	12.1	*	30.0	20.3	*	30.0	26.9	*
Transient Cerebral Ischemia	2	0.0	1.4	*	0.0	3.1	*	0.0	5.0	*
Stroke	17	17.6	28.4	*	35.3	33.9	*	35.3	38.0	*
Hip Fracture	40	5.0	5.3	*	7.5	10.0	*	12.5	13.3	*
Sepsis	9	22.2	32.2	*	44.4	39.1	*	44.4	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	146	0.7	1.0	0.8	2.1	1.8	1.2	3.4	2.5	1.9
Open Reduction of Hip Fracture	16	6.3	4.1	*	6.3	8.0	*	6.3	11.0	*
Prostatectomy	3	0.0	0.9	*	0.0	2.5	*	0.0	4.8	*
Cholecystectomy	5	20.0	14.6	*	20.0	18.4	*	20.0	20.0	*
Hysterectomy	1	0.0	1.8	*	0.0	4.0	*	0.0	6.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	140
Occupancy Rate	58
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	114
Percent of Physicians Board Certified Specialists	28
Medical Residents/Interns	0
Registered Nurses	160
Licensed Practical Nurses	1

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

NATIONAL ORTHO & REHAB HOSPITAL

Medicare Provider Number: 490014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	816	5.8	5.9	1.1	10.2	8.7	1.6	11.6	11.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	12	16.7	28.5	*	33.3	32.0	*	33.3	35.5	*
Congestive Heart Failure	16	6.3	13.9	*	37.5	21.0	*	37.5	27.0	*
Pneumonia/Influenza	27	25.9	18.1	*	37.0	24.4	*	40.7	29.3	*
Chronic Obstructive Pulmonary Disease	13	23.1	7.8	*	30.8	13.0	*	30.8	17.5	*
Transient Cerebral Ischemia	5	0.0	1.2	*	0.0	2.6	*	0.0	4.2	*
Stroke	22	18.2	14.6	*	18.2	21.4	*	18.2	25.7	*
Hip Fracture	38	5.3	5.5	*	7.9	10.5	*	18.4	14.0	*
Sepsis	9	11.1	33.6	*	22.2	39.4	*	22.2	45.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	19.0	*	100.0	24.4	*	100.0	28.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	153	2.0	0.9	1.8	2.6	1.6	2.0	3.3	2.3	2.0
Open Reduction of Hip Fracture	19	5.3	5.3	*	10.5	10.5	*	15.8	14.1	*
Prostatectomy	2	0.0	3.8	*	0.0	6.8	*	0.0	8.3	*
Cholecystectomy	4	0.0	12.5	*	25.0	15.6	*	25.0	17.3	*
Hysterectomy	1	0.0	0.8	*	0.0	1.7	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	742	5.3	5.1	0.8	8.0	7.5	1.2	10.2	9.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	23	13.0	24.0	*	17.4	27.5	*	26.1	30.9	*
Congestive Heart Failure	9	0.0	13.9	*	0.0	22.2	*	0.0	28.8	*
Pneumonia/Influenza	17	17.6	18.4	*	29.4	24.3	*	35.3	29.4	*
Chronic Obstructive Pulmonary Disease	9	33.3	8.3	*	44.4	14.2	*	44.4	18.8	*
Transient Cerebral Ischemia	4	0.0	1.4	*	0.0	2.8	*	0.0	4.4	*
Stroke	20	30.0	20.0	*	35.0	27.0	*	45.0	31.4	*
Hip Fracture	30	6.7	4.7	*	10.0	8.8	*	10.0	11.7	*
Sepsis	5	0.0	22.5	*	20.0	29.0	*	40.0	35.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	5.9	*	16.7	11.3	*	16.7	15.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	125	2.4	1.1	1.7	3.2	2.1	1.9	3.2	2.8	2.0
Open Reduction of Hip Fracture	11	0.0	4.6	*	0.0	9.0	*	0.0	12.1	*
Prostatectomy	1	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*
Cholecystectomy	4	0.0	2.5	*	0.0	4.0	*	0.0	4.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEWPORT NEWS GENERAL HOSPITAL

5100 Marshall Ave
Newport News, VA 23605

Medicare Provider Number: 490035

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	466	8.4	8.3	1.8	13.5	13.0	1.7	17.2	16.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	7	42.9	39.4	*	42.9	45.8	*	57.1	50.4	*
Congestive Heart Failure	23	4.3	13.2	*	13.0	20.9	*	26.1	27.6	*
Pneumonia/Influenza	12	41.7	17.4	*	50.0	23.3	*	50.0	27.8	*
Chronic Obstructive Pulmonary Disease	7	14.3	7.7	*	28.6	11.9	*	28.6	15.8	*
Transient Cerebral Ischemia	7	0.0	2.2	*	14.3	5.3	*	14.3	8.7	*
Stroke	18	27.8	18.7	*	33.3	24.4	*	33.3	28.6	*
Hip Fracture	3	0.0	9.0	*	0.0	13.5	*	0.0	16.8	*
Sepsis	6	0.0	30.2	*	0.0	38.7	*	0.0	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.7	*	0.0	4.9	*	0.0	6.5	*
Open Reduction of Hip Fracture	1	0.0	9.5	*	0.0	14.0	*	0.0	17.2	*
Prostatectomy	14	0.0	1.1	*	0.0	2.8	*	0.0	4.9	*
Cholecystectomy	3	0.0	1.2	*	0.0	1.9	*	0.0	2.5	*
Hysterectomy	1	0.0	0.7	*	0.0	1.3	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	126
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	25
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

NEWPORT NEWS GENERAL HOSPITAL

Medicare Provider Number: 490035

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	320	9.4	10.2	2.6	15.0	15.6	3.4	18.1	19.8	3.5
CONDITIONS:										
Acute Myocardial Infarction	4	0.0	37.2	*	25.0	42.0	*	25.0	46.2	*
Congestive Heart Failure	18	22.2	18.6	*	22.2	27.9	*	22.2	35.6	*
Pneumonia/Influenza	4	0.0	12.3	*	25.0	17.3	*	25.0	21.4	*
Chronic Obstructive Pulmonary Disease	8	0.0	9.3	*	12.5	15.3	*	37.5	21.1	*
Transient Cerebral Ischemia	4	0.0	2.3	*	0.0	5.0	*	25.0	7.9	*
Stroke	11	18.2	21.0	*	18.2	26.6	*	18.2	30.5	*
Hip Fracture	1	0.0	3.2	*	0.0	6.0	*	0.0	7.9	*
Sepsis	12	25.0	25.8	*	25.0	31.5	*	25.0	36.9	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.0	*	0.0	3.7	*	0.0	5.0	*
Open Reduction of Hip Fracture	0									
Prostatectomy	12	8.3	2.0	*	25.0	5.1	*	25.0	8.5	*
Cholecystectomy	4	0.0	1.3	*	0.0	2.3	*	0.0	3.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	368	8.2	10.4	1.9	13.6	15.4	2.0	17.7	19.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	9	33.3	29.0	*	44.4	32.3	*	44.4	36.4	*
Congestive Heart Failure	19	0.0	12.4	*	15.8	19.2	*	31.6	25.1	*
Pneumonia/Influenza	5	0.0	10.7	*	0.0	14.6	*	0.0	18.0	*
Chronic Obstructive Pulmonary Disease	10	10.0	9.0	*	10.0	15.3	*	10.0	20.6	*
Transient Cerebral Ischemia	3	0.0	2.2	*	0.0	5.1	*	0.0	8.4	*
Stroke	20	20.0	22.4	*	25.0	29.0	*	25.0	33.8	*
Hip Fracture	3	0.0	4.5	*	0.0	8.5	*	0.0	11.2	*
Sepsis	4	25.0	39.1	*	100.0	46.6	*	100.0	53.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	3.7	*	0.0	7.3	*	0.0	9.7	*
Prostatectomy	3	0.0	1.5	*	0.0	3.9	*	0.0	6.9	*
Cholecystectomy	4	0.0	2.0	*	0.0	3.5	*	25.0	4.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORFOLK COMMUNITY HOSPITAL

2539 Corprew Ave
Norfolk, VA 23504

Medicare Provider Number: 490030

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	403	8.7	7.7	1.6	15.1	12.2	1.9	21.3	15.7	2.8
CONDITIONS:										
Acute Myocardial Infarction	8	50.0	27.8	*	50.0	31.2	*	50.0	35.0	*
Congestive Heart Failure	29	6.9	12.1	*	13.8	19.8	*	31.0	26.4	*
Pneumonia/Influenza	12	0.0	15.5	*	16.7	21.2	*	16.7	25.6	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.3	*	0.0	7.2	*	0.0	10.2	*
Transient Cerebral Ischemia	4	0.0	1.3	*	0.0	2.7	*	0.0	4.2	*
Stroke	14	7.1	20.4	*	42.9	28.2	*	42.9	33.3	*
Hip Fracture	3	0.0	5.3	*	0.0	10.0	*	0.0	13.3	*
Sepsis	3	33.3	17.9	*	66.7	26.8	*	100.0	32.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	0.9	*	33.3	1.9	*	33.3	3.0	*
Carotid Endarterectomy	1	0.0	1.7	*	0.0	3.8	*	0.0	5.4	*
Hip Replacement/Reconstruction	5	20.0	2.3	*	20.0	4.7	*	20.0	6.5	*
Open Reduction of Hip Fracture	1	0.0	4.3	*	0.0	8.0	*	0.0	10.5	*
Prostatectomy	15	0.0	1.1	*	0.0	2.4	*	6.7	3.8	*
Cholecystectomy	5	20.0	1.0	*	20.0	1.8	*	20.0	2.5	*
Hysterectomy	2	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	202
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	4
Registered Nurses	42
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

NORFOLK COMMUNITY HOSPITAL

Medicare Provider Number: 490030

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	538	8.7	8.6	1.3	15.4	13.4	1.7	21.2	17.3	2.3
CONDITIONS:										
Acute Myocardial Infarction	5	0.0	33.9	*	40.0	36.7	*	40.0	40.5	*
Congestive Heart Failure	46	15.2	13.4	*	17.4	20.6	*	26.1	26.9	*
Pneumonia/Influenza	18	22.2	16.0	*	22.2	21.3	*	27.8	25.5	*
Chronic Obstructive Pulmonary Disease	7	0.0	4.2	*	14.3	8.0	*	14.3	11.5	*
Transient Cerebral Ischemia	10	0.0	2.1	*	0.0	4.9	*	20.0	7.8	*
Stroke	25	24.0	20.3	*	32.0	27.1	*	36.0	31.7	*
Hip Fracture	4	0.0	5.7	*	0.0	11.0	*	25.0	14.7	*
Sepsis	2	50.0	27.1	*	50.0	33.1	*	50.0	39.8	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.3	*	33.3	6.2	*	66.7	8.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.8	*	0.0	9.3	*	25.0	14.8	*
Open Reduction of Hip Fracture	3	0.0	5.1	*	0.0	10.0	*	33.3	13.3	*
Prostatectomy	33	0.0	1.3	*	9.1	3.3	*	12.1	5.6	*
Cholecystectomy	9	11.1	3.1	*	33.3	6.9	*	44.4	10.0	*
Hysterectomy	3	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	577	8.1	10.4	1.6	14.4	15.7	1.8	18.2	19.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	9	33.3	37.3	*	44.4	40.8	*	44.4	44.9	*
Congestive Heart Failure	42	7.1	13.1	*	16.7	20.3	*	19.0	26.4	*
Pneumonia/Influenza	6	0.0	17.7	*	16.7	23.8	*	33.3	28.8	*
Chronic Obstructive Pulmonary Disease	9	11.1	9.9	*	11.1	16.3	*	11.1	21.3	*
Transient Cerebral Ischemia	9	0.0	2.2	*	0.0	5.1	*	0.0	8.1	*
Stroke	31	9.7	18.7	*	25.8	24.7	*	32.3	29.2	*
Hip Fracture	5	20.0	11.6	*	20.0	21.1	*	20.0	26.5	*
Sepsis	10	40.0	33.1	*	50.0	40.2	*	50.0	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	18.1	*	25.0	30.5	*	50.0	37.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	6.6	*	16.7	12.7	*	16.7	16.4	*
Open Reduction of Hip Fracture	2	0.0	7.6	*	0.0	14.3	*	0.0	18.5	*
Prostatectomy	27	0.0	2.5	*	7.4	5.2	*	7.4	8.0	*
Cholecystectomy	7	0.0	1.3	*	14.3	2.2	*	14.3	2.9	*
Hysterectomy	5	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTHAMPTON ACCOMACK MEMORIAL HOSPITAL

Nassawadox, VA 23413

Medicare Provider Number: 490037

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,373	9.8	10.0	1.0	15.4	15.1	1.4	18.4	19.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	56	19.6	29.5	9.3	26.8	33.3	10.1	26.8	37.3	10.8
Congestive Heart Failure	56	8.9	14.9	5.8	26.8	22.7	6.8	32.1	29.4	6.8
Pneumonia/Influenza	57	12.3	16.2	7.5	19.3	22.1	6.5	26.3	26.6	6.4
Chronic Obstructive Pulmonary Disease	29	6.9	8.6	*	10.3	16.0	*	13.8	22.5	*
Transient Cerebral Ischemia	16	0.0	2.1	*	0.0	4.8	*	6.3	7.9	*
Stroke	71	26.8	22.3	8.4	33.8	28.2	8.8	39.4	32.6	10.6
Hip Fracture	22	4.5	6.7	*	9.1	11.6	*	9.1	14.9	*
Sepsis	9	44.4	36.1	*	55.6	43.5	*	55.6	48.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	5.5	*	16.7	9.8	*	16.7	13.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	4.3	*	0.0	7.8	*	0.0	10.2	*
Open Reduction of Hip Fracture	7	0.0	7.2	*	0.0	13.2	*	0.0	17.0	*
Prostatectomy	14	0.0	1.4	*	0.0	3.7	*	7.1	6.3	*
Cholecystectomy	14	0.0	3.7	*	7.1	6.6	*	7.1	8.5	*
Hysterectomy	13	0.0	2.3	*	0.0	4.4	*	0.0	6.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	163
Occupancy Rate	59
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	35
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	55
Licensed Practical Nurses	69

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORTHAMPTON ACCOMACK MEMORIAL HOSPITAL

Medicare Provider Number: 490037

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,363	11.2	10.5	1.0	17.0	15.6	1.5	20.7	19.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	52	25.0	34.7	8.3	32.7	38.3	7.7	40.4	42.5	7.2
Congestive Heart Failure	56	12.5	16.0	5.7	16.1	23.9	7.9	26.8	30.7	6.8
Pneumonia/Influenza	51	21.6	18.9	7.7	27.5	25.5	7.7	33.3	30.6	8.2
Chronic Obstructive Pulmonary Disease	30	10.0	9.5	*	10.0	16.1	*	16.7	21.5	*
Transient Cerebral Ischemia	10	0.0	2.7	*	0.0	6.3	*	0.0	9.9	*
Stroke	78	15.4	20.9	10.2	21.8	26.9	10.3	26.9	31.3	6.7
Hip Fracture	24	8.3	7.0	*	20.8	12.5	*	20.8	16.0	*
Sepsis	9	44.4	35.9	*	66.7	44.7	*	66.7	51.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	7.8	*	12.5	10.9	*	12.5	13.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	6.3	*	16.7	10.9	*	16.7	13.7	*
Open Reduction of Hip Fracture	13	7.7	6.8	*	23.1	12.7	*	23.1	16.6	*
Prostatectomy	30	0.0	1.6	*	6.7	3.9	*	10.0	6.4	*
Cholecystectomy	22	9.1	2.9	*	9.1	5.4	*	9.1	7.1	*
Hysterectomy	6	0.0	0.6	*	16.7	1.4	*	16.7	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,394	10.8	10.9	0.9	16.5	16.2	1.0	20.4	20.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	84	25.0	27.5	5.3	31.0	31.7	6.1	32.1	35.7	7.9
Congestive Heart Failure	60	10.0	15.7	9.3	15.0	23.3	10.5	23.3	29.7	10.9
Pneumonia/Influenza	56	12.5	16.8	6.9	17.9	22.4	7.0	23.2	27.1	7.9
Chronic Obstructive Pulmonary Disease	26	0.0	7.6	*	7.7	13.3	*	15.4	17.9	*
Transient Cerebral Ischemia	27	0.0	2.2	*	0.0	5.2	*	11.1	8.4	*
Stroke	70	22.9	21.2	8.6	30.0	27.3	6.5	31.4	31.8	5.8
Hip Fracture	24	8.3	8.1	*	12.5	14.5	*	12.5	19.0	*
Sepsis	8	25.0	31.8	*	37.5	38.8	*	37.5	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.9	*	0.0	6.1	*	14.3	9.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	5.3	*	9.1	9.5	*	9.1	12.4	*
Open Reduction of Hip Fracture	14	7.1	6.3	*	7.1	12.0	*	7.1	16.1	*
Prostatectomy	35	8.6	1.3	*	11.4	3.1	*	11.4	5.2	*
Cholecystectomy	19	5.3	6.8	*	5.3	10.7	*	10.5	13.7	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTHERN VIRGINIA DOCTORS HOSPITAL

601 Carlin Springs Rd
Arlington, VA 22204

Medicare Provider Number: 490073

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,269	8.3	9.1	1.1	12.7	14.0	1.6	17.3	17.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	25	28.0	25.1	*	32.0	29.2	*	32.0	32.8	*
Congestive Heart Failure	59	11.9	17.5	5.8	23.7	27.1	6.1	35.6	34.7	6.4
Pneumonia/Influenza	58	15.5	17.6	6.2	20.7	23.8	6.6	27.6	28.7	6.2
Chronic Obstructive Pulmonary Disease	14	7.1	8.7	*	7.1	14.9	*	14.3	20.1	*
Transient Cerebral Ischemia	20	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke	50	28.0	24.8	*	34.0	32.0	*	38.0	36.8	*
Hip Fracture	38	10.5	7.2	*	15.8	12.9	*	26.3	16.8	*
Sepsis	16	37.5	36.8	*	56.3	46.2	*	56.3	52.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.7	*	0.0	8.3	*	0.0	11.4	*
Carotid Endarterectomy	14	7.1	1.2	*	7.1	2.1	*	7.1	3.2	*
Hip Replacement/Reconstruction	26	11.5	8.3	*	19.2	13.1	*	23.1	16.2	*
Open Reduction of Hip Fracture	19	5.3	6.2	*	10.5	11.5	*	21.1	15.0	*
Prostatectomy	55	0.0	0.8	1.7	1.8	2.0	2.0	1.8	3.4	2.9
Cholecystectomy	17	0.0	1.6	*	0.0	2.9	*	0.0	3.9	*
Hysterectomy	4	25.0	1.5	*	25.0	3.9	*	25.0	6.9	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1991

Total Beds	267
Ownership/Control	Private, For Profit

STAFFING:

Medical Residents/Interns	3
Registered Nurses	145
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	Yes
Rehabilitation	Yes
Shock Trauma	No

** **Not used in calculating hospital mortality rates.**

NORTHERN VIRGINIA DOCTORS HOSPITAL

Medicare Provider Number: 490073

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,480	8.7	8.9	0.9	13.0	13.5	1.0	16.9	17.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	47	25.5	24.7	*	27.7	28.4	*	29.8	32.1	*
Congestive Heart Failure	52	13.5	17.7	7.1	19.2	27.1	10.8	25.0	34.2	11.9
Pneumonia/Influenza	69	24.6	19.2	6.4	31.9	25.5	8.1	34.8	30.6	6.6
Chronic Obstructive Pulmonary Disease	14	14.3	9.6	*	21.4	15.0	*	28.6	19.5	*
Transient Cerebral Ischemia	32	3.1	2.2	*	3.1	5.0	*	3.1	7.9	*
Stroke	52	21.2	19.8	5.8	26.9	26.9	6.3	30.8	31.4	6.5
Hip Fracture	41	4.9	6.7	*	12.2	12.4	*	19.5	16.1	*
Sepsis	21	42.9	29.9	*	61.9	38.6	*	71.4	45.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.4	*	0.0	4.7	*	0.0	6.9	*
Carotid Endarterectomy	24	0.0	1.7	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	22	9.1	4.6	*	9.1	8.8	*	13.6	11.5	*
Open Reduction of Hip Fracture	17	5.9	5.7	*	23.5	11.2	*	29.4	15.2	*
Prostatectomy	65	0.0	0.9	2.3	1.5	2.1	4.1	7.7	3.5	4.3
Cholecystectomy	18	0.0	3.5	*	0.0	4.9	*	0.0	5.7	*
Hysterectomy	12	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,425	7.6	8.1	0.8	12.4	12.7	1.0	16.6	16.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	31	16.1	22.0	*	16.1	25.4	*	25.8	29.0	*
Congestive Heart Failure	73	9.6	17.3	8.3	21.9	26.1	10.5	28.8	33.2	8.1
Pneumonia/Influenza	47	19.1	18.1	*	25.5	24.2	*	29.8	29.1	*
Chronic Obstructive Pulmonary Disease	15	6.7	8.0	*	13.3	14.0	*	13.3	19.0	*
Transient Cerebral Ischemia	31	0.0	1.9	*	3.2	3.9	*	6.5	6.1	*
Stroke	58	24.1	21.8	8.6	39.7	29.0	10.0	41.4	33.5	9.7
Hip Fracture	38	2.6	7.5	*	13.2	13.8	*	15.8	17.8	*
Sepsis	15	6.7	28.9	*	13.3	38.7	*	26.7	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.0	*	0.0	4.5	*	0.0	6.8	*
Carotid Endarterectomy	21	0.0	1.7	*	9.5	3.0	*	9.5	4.4	*
Hip Replacement/Reconstruction	17	0.0	6.7	*	17.6	13.2	*	17.6	17.6	*
Open Reduction of Hip Fracture	16	0.0	5.9	*	0.0	11.2	*	6.3	14.7	*
Prostatectomy	70	1.4	0.9	1.4	1.4	2.2	2.0	2.9	3.8	2.8
Cholecystectomy	12	8.3	2.3	*	8.3	4.0	*	8.3	5.0	*
Hysterectomy	14	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Northern Virginia
Doctors Hospital

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Mortality Statistics Comments

Dear Mrs. Kappert:

The Health Care Financing Administration mortality rates, as published, present a favorable image for Northern Virginia Doctors Hospital and we believe the information is useful. However, we ask the public to understand the limitations of conclusions based solely on the published mortality statistics.

The Health Care Financing Administration and the American Hospital Association are good sources for information regarding the limitations of the statistics.

It is important for the public to realize that the Health Care Financing Administration and every hospital requires independent physicians to review the medical record of each hospital death.

We believe this individual case review is the only true mechanism to distinguish the quality and appropriateness of patient care.

Sincerely,

George H. Inman, Jr.

George H. Inman, Jr.
Assistant Administrator

GHI:pk

601 South Carlin Springs Road
Arlington, Virginia 22204-1096
Telephone (703) 671-1200

An Affiliate of
HEALTHTRUST
INC. The Hospital Company

NORTON COMMUNITY HOSPITAL

100 15th St NW
Norton, VA 24273

Medicare Provider Number: 490001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	885	7.3	8.1	1.0	10.7	12.6	1.4	13.6	16.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	36	22.2	20.8	*	22.2	24.5	*	25.0	27.9	*
Congestive Heart Failure	19	15.8	15.4	*	31.6	24.4	*	42.1	31.9	*
Pneumonia/Influenza	47	10.6	18.3	*	19.1	24.9	*	25.5	29.6	*
Chronic Obstructive Pulmonary Disease	42	9.5	6.2	*	14.3	11.3	*	19.0	15.8	*
Transient Cerebral Ischemia	10	0.0	1.7	*	0.0	3.7	*	0.0	5.8	*
Stroke	21	19.0	14.3	*	28.6	20.1	*	33.3	23.9	*
Hip Fracture	14	0.0	4.7	*	0.0	8.9	*	0.0	11.8	*
Sepsis	6	33.3	34.4	*	50.0	42.3	*	50.0	48.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	5.3	*	25.0	10.7	*	25.0	15.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	2.7	*	0.0	5.2	*	0.0	7.1	*
Open Reduction of Hip Fracture	8	0.0	4.4	*	0.0	8.6	*	0.0	11.6	*
Prostatectomy	18	0.0	1.3	*	0.0	3.3	*	0.0	5.4	*
Cholecystectomy	21	4.8	2.2	*	4.8	3.5	*	4.8	4.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	129
Occupancy Rate	46
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	0
Registered Nurses	62
Licensed Practical Nurses	36

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORTON COMMUNITY HOSPITAL

Medicare Provider Number: 490001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	921	8.5	8.5	0.9	11.9	13.1	1.4	15.3	16.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	19	26.3	21.7	*	26.3	25.0	*	26.3	28.3	*
Congestive Heart Failure	30	26.7	17.1	*	33.3	27.2	*	43.3	34.8	*
Pneumonia/Influenza	36	22.2	25.3	*	33.3	34.2	*	38.9	40.2	*
Chronic Obstructive Pulmonary Disease	32	3.1	7.0	*	6.3	12.8	*	15.6	17.8	*
Transient Cerebral Ischemia	30	3.3	2.2	*	6.7	4.9	*	10.0	7.9	*
Stroke	11	27.3	23.5	*	27.3	29.7	*	36.4	34.3	*
Hip Fracture	17	5.9	5.5	*	5.9	10.0	*	17.6	13.0	*
Sepsis	7	57.1	32.5	*	57.1	39.5	*	57.1	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.6	*	0.0	6.3	*	25.0	10.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	5.0	*	0.0	9.7	*	25.0	12.7	*
Open Reduction of Hip Fracture	11	0.0	4.2	*	0.0	8.0	*	0.0	10.7	*
Prostatectomy	22	0.0	0.8	*	0.0	1.8	*	9.1	2.9	*
Cholecystectomy	6	0.0	10.2	*	0.0	14.9	*	0.0	16.8	*
Hysterectomy	2	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	953	6.2	7.6	1.2	10.4	11.8	1.4	14.1	15.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	38	28.9	22.2	*	34.2	26.7	*	36.8	30.7	*
Congestive Heart Failure	26	19.2	17.2	*	23.1	26.3	*	34.6	33.7	*
Pneumonia/Influenza	44	6.8	16.6	*	15.9	22.5	*	20.5	27.3	*
Chronic Obstructive Pulmonary Disease	31	3.2	7.1	*	6.5	13.1	*	19.4	18.2	*
Transient Cerebral Ischemia	21	0.0	1.7	*	4.8	3.7	*	4.8	5.6	*
Stroke	22	18.2	18.7	*	18.2	25.7	*	18.2	30.4	*
Hip Fracture	16	6.3	6.1	*	12.5	11.2	*	12.5	14.6	*
Sepsis	4	25.0	30.3	*	25.0	34.6	*	25.0	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.0	*	0.0	4.6	*	0.0	7.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	3.9	*	20.0	8.3	*	20.0	11.8	*
Open Reduction of Hip Fracture	6	0.0	4.5	*	0.0	8.8	*	0.0	11.8	*
Prostatectomy	26	0.0	1.4	*	0.0	3.5	*	3.8	5.9	*
Cholecystectomy	13	0.0	3.4	*	0.0	5.2	*	0.0	6.3	*
Hysterectomy	1	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PAGE MEMORIAL HOSPITAL

200 Memorial Drive
Luray, VA 22835

Medicare Provider Number: 490047

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	427	7.5	11.2	2.2	12.4	16.5	2.6	15.5	20.6	3.0
CONDITIONS:										
Acute Myocardial Infarction	13	7.7	19.6	*	7.7	22.9	*	7.7	26.1	*
Congestive Heart Failure	64	6.3	14.1	5.3	6.3	22.0	7.6	12.5	28.5	8.2
Pneumonia/Influenza	26	11.5	13.2	*	11.5	18.4	*	11.5	22.6	*
Chronic Obstructive Pulmonary Disease	2	0.0	5.4	*	0.0	10.9	*	0.0	15.7	*
Transient Cerebral Ischemia	1	0.0	1.0	*	0.0	2.1	*	0.0	3.2	*
Stroke	14	14.3	18.9	*	28.6	26.5	*	28.6	31.1	*
Hip Fracture	4	0.0	3.5	*	0.0	6.8	*	0.0	9.3	*
Sepsis	10	20.0	28.3	*	30.0	38.1	*	30.0	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.4	*	50.0	4.2	*	50.0	5.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	4.5	*	25.0	9.0	*	25.0	12.3	*
Open Reduction of Hip Fracture	1	0.0	2.5	*	0.0	4.9	*	0.0	6.7	*
Prostatectomy	0									
Cholecystectomy	18	5.6	1.8	*	5.6	3.8	*	5.6	5.6	*
Hysterectomy	1	0.0	3.5	*	0.0	8.8	*	0.0	14.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	34
Occupancy Rate	47
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	6
Percent of Physicians Board Certified Specialists	50
Medical Residents/Interns	0
Registered Nurses	0
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PAGE MEMORIAL HOSPITAL

Medicare Provider Number: 490047

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	379	8.2	10.4	2.1	12.4	15.9	2.9	15.8	20.1	3.3
CONDITIONS:										
Acute Myocardial Infarction	21	19.0	28.1	*	19.0	31.8	*	23.8	35.2	*
Congestive Heart Failure	46	10.9	15.1	*	15.2	23.4	*	17.4	29.9	*
Pneumonia/Influenza	26	7.7	13.9	*	7.7	19.1	*	11.5	23.4	*
Chronic Obstructive Pulmonary Disease	2	0.0	14.2	*	50.0	20.0	*	50.0	25.2	*
Transient Cerebral Ischemia	3	0.0	1.7	*	0.0	4.1	*	0.0	6.8	*
Stroke	6	33.3	25.7	*	50.0	38.8	*	50.0	45.9	*
Hip Fracture	8	0.0	5.5	*	0.0	11.0	*	12.5	15.0	*
Sepsis	5	20.0	17.4	*	20.0	25.3	*	20.0	30.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	2	0.0	0.9	*	0.0	1.6	*	0.0	2.3	*
Hip Replacement/Reconstruction	2	0.0	6.6	*	0.0	14.4	*	0.0	20.7	*
Open Reduction of Hip Fracture	4	0.0	4.6	*	0.0	9.4	*	25.0	13.1	*
Prostatectomy	0									
Cholecystectomy	13	0.0	6.8	*	7.7	12.3	*	7.7	15.8	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	357	10.6	11.1	2.0	14.3	16.3	2.7	18.5	20.4	2.7
CONDITIONS:										
Acute Myocardial Infarction	14	14.3	28.9	*	14.3	32.1	*	21.4	35.8	*
Congestive Heart Failure	36	8.3	17.6	*	13.9	25.3	*	19.4	31.8	*
Pneumonia/Influenza	36	5.6	18.0	*	11.1	24.4	*	16.7	29.6	*
Chronic Obstructive Pulmonary Disease	1	0.0	3.6	*	0.0	6.6	*	0.0	9.2	*
Transient Cerebral Ischemia	3	0.0	3.0	*	0.0	7.2	*	0.0	11.9	*
Stroke	10	40.0	23.8	*	50.0	31.9	*	60.0	37.4	*
Hip Fracture	7	0.0	5.5	*	0.0	10.2	*	0.0	13.6	*
Sepsis	1	100.0	23.7	*	100.0	27.6	*	100.0	32.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.4	*	0.0	9.7	*	0.0	13.0	*
Open Reduction of Hip Fracture	4	0.0	4.1	*	0.0	8.2	*	0.0	11.3	*
Prostatectomy	0									
Cholecystectomy	14	0.0	3.3	*	0.0	5.8	*	0.0	7.3	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PORTSMOUTH GENERAL HOSPITAL

850 Crawford Prkwy
Portsmouth, VA 23704

Medicare Provider Number: 490074

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,263	9.9	8.7	1.1	15.0	13.5	1.6	18.8	17.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	24	16.7	20.3	*	20.8	23.3	*	20.8	26.3	*
Congestive Heart Failure	66	13.6	13.1	4.2	19.7	20.9	5.1	30.3	27.4	5.8
Pneumonia/Influenza	43	30.2	17.8	*	39.5	24.2	*	48.8	29.2	*
Chronic Obstructive Pulmonary Disease	17	0.0	8.4	*	11.8	14.7	*	17.6	19.8	*
Transient Cerebral Ischemia	10	0.0	3.1	*	0.0	7.2	*	10.0	11.2	*
Stroke	58	17.2	15.9	5.7	25.9	22.8	9.6	29.3	27.1	8.0
Hip Fracture	19	5.3	5.4	*	10.5	9.8	*	15.8	12.8	*
Sepsis	35	28.6	27.1	*	40.0	35.6	*	42.9	41.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	5.2	*	0.0	11.1	*	0.0	16.2	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.4	*	0.0	3.7	*
Hip Replacement/Reconstruction	9	11.1	3.6	*	11.1	6.5	*	33.3	8.6	*
Open Reduction of Hip Fracture	11	0.0	4.6	*	0.0	8.8	*	9.1	11.7	*
Prostatectomy	56	0.0	1.2	1.7	0.0	2.8	3.1	1.8	4.8	3.7
Cholecystectomy	19	0.0	2.7	*	5.3	4.6	*	10.5	6.0	*
Hysterectomy	10	10.0	0.6	*	10.0	1.3	*	10.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	184
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	179
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	171
Licensed Practical Nurses	59

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PORTSMOUTH GENERAL HOSPITAL

Medicare Provider Number: 490074

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,317	10.3	9.5	1.0	15.9	14.8	1.2	20.9	18.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	35	28.6	22.8	*	28.6	26.6	*	31.4	29.9	*
Congestive Heart Failure	80	20.0	14.3	6.8	32.5	22.4	9.5	37.5	29.0	9.7
Pneumonia/Influenza	42	26.2	16.4	*	33.3	22.5	*	42.9	27.2	*
Chronic Obstructive Pulmonary Disease	26	15.4	7.6	*	23.1	12.9	*	23.1	17.4	*
Transient Cerebral Ischemia	27	0.0	1.8	*	7.4	4.1	*	14.8	6.5	*
Stroke	62	19.4	18.3	5.5	25.8	25.2	5.9	33.9	29.7	8.2
Hip Fracture	14	0.0	6.0	*	0.0	11.0	*	7.1	14.3	*
Sepsis	35	25.7	31.0	*	31.4	40.8	*	45.7	47.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	7.9	*	14.3	11.1	*	28.6	13.6	*
Carotid Endarterectomy	5	0.0	2.7	*	0.0	5.7	*	0.0	8.7	*
Hip Replacement/Reconstruction	17	5.9	3.4	*	5.9	6.4	*	11.8	8.5	*
Open Reduction of Hip Fracture	5	0.0	4.9	*	0.0	9.2	*	0.0	12.1	*
Prostatectomy	46	0.0	1.2	*	4.3	3.0	*	10.9	4.8	*
Cholecystectomy	22	4.5	4.3	*	4.5	7.6	*	9.1	9.8	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,342	10.3	9.4	1.0	16.3	14.1	1.3	20.8	17.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	33	33.3	22.4	*	36.4	26.0	*	39.4	29.7	*
Congestive Heart Failure	63	15.9	13.0	5.1	23.8	20.2	5.7	30.2	26.5	6.9
Pneumonia/Influenza	41	31.7	16.8	*	36.6	22.9	*	43.9	27.9	*
Chronic Obstructive Pulmonary Disease	22	0.0	9.6	*	13.6	16.9	*	18.2	22.4	*
Transient Cerebral Ischemia	25	0.0	1.7	*	4.0	3.7	*	4.0	5.8	*
Stroke	64	20.3	19.6	6.0	26.6	25.4	5.6	29.7	29.7	5.9
Hip Fracture	30	10.0	6.3	*	10.0	11.1	*	13.3	14.2	*
Sepsis	39	28.2	25.4	*	46.2	34.8	*	51.3	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.4	*	9.1	5.6	*	9.1	8.0	*
Carotid Endarterectomy	11	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	15	13.3	3.7	*	13.3	6.9	*	13.3	9.0	*
Open Reduction of Hip Fracture	16	0.0	4.5	*	0.0	8.5	*	6.3	11.2	*
Prostatectomy	49	2.0	1.0	*	6.1	2.4	*	10.2	4.0	*
Cholecystectomy	25	8.0	2.7	*	12.0	4.7	*	16.0	6.2	*
Hysterectomy	7	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

263.1

850 Crawford Parkway
Portsmouth, Virginia 23704
804.398.4000
804.398.4353 FAX

PORTSMOUTH
GENERAL HOSPITAL
A Tidewater Health Care Facility

Medicare Provider Number: 490074

January 11, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We would like to take this opportunity to voice our concerns about the presentation of data provided by the 1989 Medicare Hospital Mortality Information. Furthermore, we would like to make corrections to the data reported in Enclosure C as it pertains specifically to Portsmouth General Hospital.

We agree that it is important to collect accurate and quantifiable information concerning mortality, however, it is a concern to us that the information may be difficult to understand for those without a working knowledge of statistics. We are also particularly sensitive to the release of statistical data about categories for which the number of cases is so small that standard deviations could not be calculated.

The 30, 90 and 180 days mortality rates are very interesting and useful for in-house analysis, however, the press or other casual observer may interpret these statistics incorrectly. The possibility exists that factors outside the hospital's sphere of control may have contributed to an individual's death. We would like to illuminate this fact with the following examples:

1. Our research indicates that one of our Medicare patients [redacted]) who had pneumonia and died approximately 150 days later, actually died as a result of a cerebrovascular accident. Therefore the observed mortality rate at 180 days for pneumonia/influenza is 46.5 rather than 48.8 as reported in enclosure C.

2. Research indicates that the observed mortality rate at 180 days for hip replacement/reconstruction is 22.2, and not 33.3 as reported in enclosure C. One of our Medicare patients [redacted] who had such a procedure and died approximately 100 days later, was readmitted to our facility three weeks after his operation, and died of pericarditis with effusion.

3. We investigated the mortality rate for hysterectomy and discovered that while one of our patients [redacted] had a hysterectomy and died within 30 days, she died of metastic leiomyosarcoma causing ascites which compromised her breathing. Therefore, the mortality rate at 30, 90 and 180 days is 0.0, and not 10.0 as reported in enclosure C.

It was impractical for our staff to discover the actual cause of death for every Medicare patient reported in Enclosure D, so the number of patients who were improperly categorized remains unknown. However, it would be greatly appreciated if the errors noted above were rectified.

Thank you for your attention. If you have any questions concerning our comments, please contact Lori Pycior Wright at (804) 496-6250.

Sincerely,

Richard B Maxwell

Richard B. Maxwell
Administrator

POTOMAC HOSPITAL

2300 Opitz Boulevard
Woodbridge, VA 22191

Medicare Provider Number: 490113

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	734	10.6	7.2	1.3	16.1	11.3	1.7	19.6	14.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	18	44.4	25.1	*	50.0	28.8	*	50.0	32.0	*
Congestive Heart Failure	40	12.5	12.1	*	25.0	19.5	*	27.5	25.5	*
Pneumonia/Influenza	32	25.0	12.5	*	37.5	18.1	*	40.6	22.2	*
Chronic Obstructive Pulmonary Disease	15	13.3	4.5	*	13.3	8.2	*	13.3	11.6	*
Transient Cerebral Ischemia	15	6.7	1.4	*	13.3	2.8	*	13.3	4.3	*
Stroke	21	23.8	15.0	*	28.6	21.1	*	33.3	25.0	*
Hip Fracture	17	0.0	3.1	*	0.0	5.9	*	5.9	8.0	*
Sepsis	7	28.6	31.4	*	28.6	41.0	*	28.6	49.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.7	*	0.0	3.6	*	0.0	5.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	1.5	*	0.0	3.0	*	0.0	4.2	*
Open Reduction of Hip Fracture	10	0.0	3.2	*	0.0	6.4	*	10.0	8.7	*
Prostatectomy	13	7.7	0.8	*	7.7	1.9	*	7.7	3.1	*
Cholecystectomy	19	5.3	1.5	*	5.3	2.8	*	5.3	3.7	*
Hysterectomy	4	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	158
Occupancy Rate	56
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	123
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	151
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

POTOMAC HOSPITAL

Medicare Provider Number: 490113

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	725	9.4	7.2	1.3	13.5	11.5	1.7	18.2	15.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	17	23.5	20.7	*	29.4	24.4	*	29.4	28.0	*
Congestive Heart Failure	39	23.1	13.0	*	25.6	20.7	*	35.9	27.3	*
Pneumonia/Influenza	26	7.7	9.1	*	15.4	12.7	*	23.1	15.8	*
Chronic Obstructive Pulmonary Disease	18	11.1	8.7	*	16.7	14.4	*	16.7	19.1	*
Transient Cerebral Ischemia	12	0.0	1.3	*	0.0	2.8	*	0.0	4.3	*
Stroke	31	12.9	16.8	*	25.8	24.0	*	25.8	28.8	*
Hip Fracture	16	6.3	3.4	*	12.5	6.6	*	12.5	8.8	*
Sepsis	6	33.3	18.2	*	33.3	28.2	*	33.3	35.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	2.3	*	16.7	4.5	*	50.0	6.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	2.6	*	20.0	5.2	*	20.0	6.9	*
Open Reduction of Hip Fracture	9	0.0	2.9	*	0.0	5.8	*	0.0	7.8	*
Prostatectomy	14	0.0	0.8	*	0.0	1.8	*	0.0	2.8	*
Cholecystectomy	10	0.0	1.8	*	0.0	3.8	*	10.0	5.5	*
Hysterectomy	4	0.0	0.6	*	0.0	1.7	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	686	7.3	7.6	1.9	13.4	12.0	2.3	16.8	15.4	2.3
CONDITIONS:										
Acute Myocardial Infarction	15	33.3	31.2	*	33.3	34.9	*	33.3	38.4	*
Congestive Heart Failure	45	15.6	15.2	*	28.9	23.1	*	33.3	29.8	*
Pneumonia/Influenza	24	16.7	14.8	*	20.8	20.4	*	29.2	24.9	*
Chronic Obstructive Pulmonary Disease	19	0.0	7.1	*	0.0	13.5	*	5.3	19.1	*
Transient Cerebral Ischemia	12	0.0	2.3	*	16.7	5.1	*	16.7	7.8	*
Stroke	24	8.3	18.5	*	20.8	25.0	*	25.0	29.4	*
Hip Fracture	16	6.3	4.4	*	6.3	8.3	*	6.3	11.1	*
Sepsis	4	25.0	14.7	*	25.0	20.1	*	25.0	24.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.9	*	0.0	8.9	*	0.0	12.4	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	5	0.0	2.7	*	0.0	5.5	*	0.0	7.5	*
Open Reduction of Hip Fracture	7	14.3	4.8	*	14.3	9.6	*	14.3	12.9	*
Prostatectomy	14	0.0	1.1	*	0.0	2.8	*	7.1	4.6	*
Cholecystectomy	13	7.7	2.3	*	15.4	4.4	*	15.4	6.1	*
Hysterectomy	2	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

265.1

Potomac Hospital
Corporation

Medicare Provider #490113

January 7, 1991

Health Care Financing Administration
ATTN: Mrs. Sandra Kappert
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Mortality Data for Potomac Hospital, #490113

Dear Mrs. Kappert:

Potomac Hospital is again pleased to respond to the Health Care Financing Administrations's calculated mortality rates for Medicare patients during selected admissions in fiscal year 1989.

Providing quality patient care is one of the primary missions of Potomac Hospital's Governing Board, Medical Staff, and Administration. The hospital has a comprehensive Quality Assurance Program that monitors and evaluates patient care activities and guides clinicians in identifying ways to continually improve patient care. The Quality Assurance Program is reviewed, evaluated, and revised to meet the demands of a rapidly changing health care environment. Potomac Hospital takes pride in delivering quality, cost-effective services to the community.

Mortality review comprises only one part of our comprehensive Quality Assurance Program. Through the physician peer review process, each death is reviewed in-depth for appropriate medical management. Statistics are compiled and reported at monthly medical staff department meetings. Any indication of a potential quality problem leads to an immediate and thorough case review with corrective action taken as necessary.

Potomac Hospital's mortality rates for "all causes" fall within the acceptable range at the 99% prediction interval. As we have done in the past, professional members of our Quality Assurance and Utilization Management Departments have reviewed each of the cases listed in the information provided by HCFA. The majority of patients who died were in the end stage of their disease (i.e., patients for whom no further treatment was desired by the patient or the patient's family). In addition, some of the deaths occurred as much as 180 days post hospital admission.

2300 Opitz Boulevard, Woodbridge, Virginia 22191 (703) 670-1313

Health Care Financing Administration
ATTN: Mrs. Sandra Kappert
January 8, 1991
Page 2

We support the ongoing changes HCFA has implemented this year but as in the past, it is important to consider several points when reviewing the data. First, in the case of Potomac Hospital, when calculating the mortality figures for the majority of procedures, there were too few cases to yield a reliable test of significance. Secondly, not all Medicare admissions for 1989 were analyzed. For those patients who had multiple admissions, only a single admission was selected at random for review. By excluding certain data and not reviewing each admission, the percentage of actual and predicted death rates can be skewed. Third, this year HCFA looked at death rates 30, 90, and 180 days post admission. Deaths occurring 90 and 180 days post admission can have many confounding factors which are totally unrelated to hospitalization, and therefore are not a true measure of the quality of treatment intervention received in the hospital. Lastly, severity of the patient's illness has not been taken into account in any of the statistical calculations.

Consumers should not use the statistical information to determine where to receive medical treatment. The data only show whether a hospital is different from average but do not address why. Patients should talk with their physician regarding their choice of hospitals and may consider the HCFA statistics during their discussion.

In conclusion, I would like to reemphasize that Potomac Hospital is committed to the provision of qulaity patient care. Our hospital, along with the American Hospital Association, the Joint Commission on Accreditation of Health Care Organizations, and other concerned groups continue to work toward defining improved methods for evaluating hospital care and services. We welcome HCFA's reporting statistics and their improvements, but encourage all individuals to view this information as only one component of our quality improvement program. It is this comprehensive program, not HCFA's data, that guides our hospital and our physicians in identifying ways to enhance patient care.

Potomac Hospital is proud of the quality care it provides and I would be delighted to discuss our level of care, our Quality Assurance Program, or these mortality statistics with any interested individuals.

Sincerely,

Wm M. Moss

William M. Moss
President

cc: John Mazzeo, M.D.
President, Medical Staff

Wang 1600R

PRINCE WILLIAM HOSPITAL

8700 Sudley Road
Manassas, VA 22110

Medicare Provider Number: 490045

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	923	9.0	8.9	1.0	13.3	13.4	1.2	16.9	17.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	32	31.3	27.4	*	31.3	30.7	*	34.4	34.1	*
Congestive Heart Failure	37	8.1	16.1	*	18.9	24.4	*	32.4	31.2	*
Pneumonia/Influenza	40	15.0	17.6	*	17.5	23.5	*	20.0	28.3	*
Chronic Obstructive Pulmonary Disease	30	6.7	7.7	*	16.7	13.8	*	30.0	19.0	*
Transient Cerebral Ischemia	7	0.0	1.5	*	14.3	3.2	*	14.3	5.0	*
Stroke	48	20.8	24.4	*	29.2	31.0	*	33.3	35.7	*
Hip Fracture	19	10.5	5.9	*	10.5	10.6	*	10.5	13.9	*
Sepsis	6	50.0	27.5	*	50.0	32.2	*	50.0	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.0	*	0.0	7.2	*	0.0	9.5	*
Carotid Endarterectomy	2	0.0	0.8	*	0.0	1.4	*	0.0	2.1	*
Hip Replacement/Reconstruction	12	0.0	2.7	*	0.0	5.1	*	0.0	6.9	*
Open Reduction of Hip Fracture	8	25.0	6.6	*	25.0	12.2	*	25.0	16.0	*
Prostatectomy	29	3.4	0.6	*	3.4	1.4	*	3.4	2.4	*
Cholecystectomy	18	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hysterectomy	7	0.0	1.4	*	0.0	2.7	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	170
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	121
Licensed Practical Nurses	38

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

PRINCE WILLIAM HOSPITAL

Medicare Provider Number: 490045

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	907	7.9	8.8	1.2	13.9	13.5	1.4	18.0	17.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	28.2	*	34.6	31.5	*	34.6	34.9	*
Congestive Heart Failure	50	8.0	14.4	*	18.0	21.9	*	26.0	28.4	*
Pneumonia/Influenza	42	16.7	16.9	*	26.2	22.6	*	33.3	27.1	*
Chronic Obstructive Pulmonary Disease	27	3.7	7.6	*	14.8	13.3	*	22.2	17.8	*
Transient Cerebral Ischemia	8	0.0	1.6	*	25.0	3.5	*	25.0	5.5	*
Stroke	38	21.1	21.2	*	31.6	27.8	*	42.1	32.5	*
Hip Fracture	28	3.6	6.2	*	7.1	11.1	*	14.3	14.3	*
Sepsis	7	0.0	22.7	*	14.3	30.0	*	14.3	35.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.6	*	0.0	6.1	*	0.0	8.6	*
Carotid Endarterectomy	7	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	14	7.1	5.3	*	7.1	9.7	*	7.1	12.5	*
Open Reduction of Hip Fracture	13	0.0	5.3	*	7.7	10.1	*	23.1	13.4	*
Prostatectomy	28	0.0	0.9	*	3.6	2.3	*	3.6	3.9	*
Cholecystectomy	26	3.8	1.9	*	7.7	3.6	*	11.5	5.0	*
Hysterectomy	7	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	909	8.1	9.3	1.5	13.2	14.1	1.5	17.7	18.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	27	22.2	29.4	*	33.3	33.7	*	37.0	37.6	*
Congestive Heart Failure	44	15.9	18.2	*	25.0	27.0	*	31.8	34.2	*
Pneumonia/Influenza	40	20.0	17.5	*	32.5	23.3	*	32.5	28.0	*
Chronic Obstructive Pulmonary Disease	21	0.0	9.0	*	4.8	14.7	*	14.3	19.4	*
Transient Cerebral Ischemia	20	0.0	2.5	*	0.0	5.7	*	0.0	9.1	*
Stroke	31	9.7	20.9	*	12.9	27.2	*	12.9	31.6	*
Hip Fracture	20	5.0	6.2	*	10.0	11.2	*	20.0	14.8	*
Sepsis	12	41.7	23.7	*	41.7	31.2	*	58.3	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.4	*	25.0	5.2	*	25.0	7.8	*
Carotid Endarterectomy	9	0.0	1.9	*	0.0	4.0	*	0.0	6.1	*
Hip Replacement/Reconstruction	15	6.7	3.3	*	6.7	6.8	*	13.3	9.6	*
Open Reduction of Hip Fracture	12	0.0	5.4	*	8.3	10.2	*	16.7	13.5	*
Prostatectomy	35	2.9	0.9	*	2.9	2.1	*	2.9	3.2	*
Cholecystectomy	17	11.8	3.7	*	23.5	5.8	*	23.5	7.0	*
Hysterectomy	6	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PULASKI COMMUNITY HOSPITAL

2400 Lee Highway
Pulaski, VA 24301

Medicare Provider Number: 490116

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,141	4.6	7.2	1.1	8.8	11.4	1.2	11.3	14.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	21	23.8	23.5	*	23.8	26.5	*	23.8	29.5	*
Congestive Heart Failure	72	9.7	15.5	5.2	15.3	23.9	6.5	18.1	30.8	8.1
Pneumonia/Influenza	38	13.2	17.8	*	18.4	24.2	*	18.4	29.3	*
Chronic Obstructive Pulmonary Disease	40	0.0	6.0	*	0.0	10.5	*	7.5	14.5	*
Transient Cerebral Ischemia	21	0.0	2.2	*	0.0	5.1	*	9.5	8.3	*
Stroke	26	19.2	23.5	*	26.9	31.4	*	34.6	36.3	*
Hip Fracture	14	0.0	5.3	*	14.3	9.9	*	14.3	13.2	*
Sepsis	9	11.1	21.5	*	11.1	29.8	*	11.1	35.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.2	*	0.0	6.8	*	0.0	8.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	4.3	*	15.4	8.4	*	15.4	11.4	*
Open Reduction of Hip Fracture	3	0.0	4.5	*	0.0	8.4	*	0.0	11.2	*
Prostatectomy	39	2.6	0.7	*	5.1	1.6	*	5.1	2.8	*
Cholecystectomy	17	5.9	3.6	*	11.8	6.9	*	11.8	9.3	*
Hysterectomy	6	0.0	0.7	*	0.0	1.4	*	0.0	2.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	153
Ownership/Control	Private, For Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	65
Licensed Practical Nurses	50

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	No

** Not used in calculating hospital mortality rates.

PULASKI COMMUNITY HOSPITAL

Medicare Provider Number: 490116

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,051	7.2	8.7	1.0	10.8	13.0	1.5	13.8	16.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	35	22.9	28.4	*	22.9	31.9	*	25.7	35.6	*
Congestive Heart Failure	33	15.2	17.0	*	21.2	25.4	*	27.3	32.4	*
Pneumonia/Influenza	47	14.9	16.9	*	21.3	22.7	*	29.8	27.3	*
Chronic Obstructive Pulmonary Disease	34	2.9	6.5	*	8.8	11.2	*	14.7	15.3	*
Transient Cerebral Ischemia	21	4.8	2.2	*	4.8	5.0	*	4.8	7.9	*
Stroke	45	28.9	23.7	*	31.1	30.9	*	35.6	35.8	*
Hip Fracture	7	0.0	10.5	*	0.0	19.9	*	0.0	25.4	*
Sepsis	11	9.1	33.6	*	9.1	42.3	*	9.1	48.3	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.2	*	0.0	7.6	*	0.0	10.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	3.3	*	25.0	7.5	*	25.0	11.2	*
Open Reduction of Hip Fracture	3	0.0	16.4	*	0.0	31.9	*	0.0	40.7	*
Prostatectomy	19	0.0	1.1	*	0.0	2.7	*	0.0	4.4	*
Cholecystectomy	16	6.3	2.8	*	6.3	4.5	*	6.3	5.4	*
Hysterectomy	3	0.0	2.0	*	0.0	5.4	*	0.0	9.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,085	6.3	8.2	1.1	10.6	12.5	1.6	13.3	16.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	27	29.6	32.5	*	29.6	35.8	*	29.6	39.2	*
Congestive Heart Failure	58	12.1	17.6	5.7	22.4	25.8	7.8	22.4	32.6	8.9
Pneumonia/Influenza	39	10.3	15.2	*	17.9	20.4	*	17.9	25.0	*
Chronic Obstructive Pulmonary Disease	26	15.4	7.4	*	15.4	13.6	*	23.1	18.8	*
Transient Cerebral Ischemia	22	0.0	2.1	*	9.1	4.9	*	18.2	8.1	*
Stroke	42	14.3	22.4	*	28.6	30.5	*	35.7	35.5	*
Hip Fracture	8	0.0	4.7	*	0.0	8.6	*	0.0	11.2	*
Sepsis	12	8.3	31.7	*	33.3	39.0	*	41.7	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	5.8	*	0.0	11.1	*	25.0	15.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	2.6	*	0.0	4.9	*	0.0	6.5	*
Open Reduction of Hip Fracture	4	0.0	3.6	*	0.0	7.0	*	0.0	9.3	*
Prostatectomy	31	0.0	1.3	*	3.2	3.0	*	3.2	5.0	*
Cholecystectomy	15	13.3	4.5	*	26.7	8.4	*	26.7	11.0	*
Hysterectomy	8	12.5	0.7	*	25.0	1.3	*	25.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

269.1

PULASKI
COMMUNITY
HOSPITAL

Medicare Provider #490116

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The concept of providing objective data with which to compare the relative quality of hospital services provided by one facility against another is desirable. However, for small full service hospitals, the data can be misleading and can cause unnecessary concern on the part of that segment of the public (the elderly) who are most dependent on small hospitals. For Pulaski Community Hospital only the condition "Congestive Heart Failure" and the category "All Causes" have enough data for which a Standard Deviation can be estimated.

Even to the careful observer, the data presentation might imply a problem area when one does not exist. Some deaths are double counted in the category "Conditions" and again in the category "Procedures" and many of the deaths have no association with the admission provided or for that matter, even with the hospital for which they are listed.

Many of these patients are quite elderly and suffer from a multitude of chronic medical problems, one of which necessitated hospitalization. The HCFA data only includes the Principle Diagnosis and up to four Secondary Diagnoses and the Principle Procedure and up to three Secondary Procedures. Many, many of our patients will have a considerably greater number of secondary diagnoses for which no reporting mechanism is provided. The predicted mortality rates for elderly nursing home patients who are in their nineties (90's) and who have a considerably greater number of secondary diagnoses than the four (4) provided would change significantly (statistically) if these additional secondary diagnoses were included.

2400 Lee Highway
P. O. Box 759
Pulaski, Virginia 24301
Telephone (703) 980-6822

An Affiliate of
HEALTHTRUST
INC. *The Hospital Company*

Medicare Provider #490116

Some examples from our reported data that demonstrate the potential for misuse of the report are:

Condition: Transient Cerebral Ischemia (TIA)

A. A 93 year old male [redacted] was admitted on 9/21/88, treated for TIA. Patient was discharged on 10/2/88 to his home. Patient died 11/23/89 of a Myocardial Infarction at another hospital.....over twelve months later.

B. A 90 year old female [redacted] was admitted on 11/18/88 for TIA. Patient was discharged on 11/22/88 to her home. Patient died 1/14/90 of Renal Failure (unrelated) in a nearby nursing home.....over twelve months later.

Condition: Hip Fracture

A. A 92 year old male [redacted] was admitted on 10/6/88 for a Hip Fracture. Patient was discharged on 10/26/88 to home. The patient died on 12/16/88. This patient was included in the "Condition" category and reported under the "Hip Replacement/Reconstruction" category. The patient moved from the community, we could not verify the cause or date of death.

B. A 72 year old female [redacted] was admitted on 2/19/89 for a Hip Fracture. Patient was discharged on 3/10/89 to a nearby nursing home. Patient died in the nursing home on 3/23/89 of a "Cardiopulmonary Arrest."

Procedure: Prostatectomy

A. An 80 year old male [redacted] was admitted on 9/18/88 for a Prostatectomy. Patient died on 10/19/88 with a diagnosis of "Adenocarcinoma of the Prostate" (cancer). The procedure to which the death is attributed was performed to provide the patient with urinary relief and did not contribute to the cause of death.

It is hoped that these comments and examples will be helpful in developing and providing a meaningful data comparison for healthcare consumers.

Sincerely,

Edgar L. Belcher
Administrator

R J REYNOLDS-PATRICK CTY MEM HOSPITAL

Route 2
Stuart, VA 24171

Medicare Provider Number: 490054

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	386	11.4	12.1	2.2	15.0	17.2	3.1	17.6	21.2	3.4
CONDITIONS:										
Acute Myocardial Infarction	19	26.3	27.6	*	26.3	30.9	*	26.3	34.5	*
Congestive Heart Failure	20	25.0	17.0	*	35.0	26.5	*	40.0	34.1	*
Pneumonia/Influenza	35	11.4	15.9	*	17.1	22.0	*	20.0	26.8	*
Chronic Obstructive Pulmonary Disease	5	20.0	7.0	*	20.0	12.2	*	20.0	16.8	*
Transient Cerebral Ischemia	9	0.0	2.0	*	11.1	4.7	*	11.1	7.5	*
Stroke	26	23.1	23.4	*	30.8	31.2	*	34.6	36.3	*
Hip Fracture	2	0.0	7.9	*	0.0	13.6	*	0.0	17.3	*
Sepsis	16	25.0	31.9	*	31.3	38.0	*	37.5	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	0.0	6.9	*	0.0	12.5	*	0.0	16.2	*
Prostatectomy	1	0.0	1.7	*	0.0	4.7	*	0.0	8.4	*
Cholecystectomy	3	0.0	1.4	*	0.0	2.3	*	0.0	3.1	*
Hysterectomy	5	20.0	1.3	*	20.0	2.6	*	20.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	71
Occupancy Rate	45
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	8
Percent of Physicians Board Certified Specialists	38
Medical Residents/Interns	0
Registered Nurses	20
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

R J REYNOLDS-PATRICK CTY MEM HOSPITAL

Medicare Provider Number: 490054

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	437	10.1	11.1	2.1	14.6	16.2	2.1	18.5	20.2	2.4
CONDITIONS:										
Acute Myocardial Infarction	15	46.7	29.8	*	46.7	33.0	*	53.3	36.5	*
Congestive Heart Failure	16	18.8	14.2	*	43.8	21.4	*	43.8	27.6	*
Pneumonia/Influenza	33	9.1	15.2	*	15.2	20.5	*	18.2	24.7	*
Chronic Obstructive Pulmonary Disease	5	0.0	6.8	*	0.0	11.7	*	20.0	16.0	*
Transient Cerebral Ischemia	6	0.0	1.9	*	0.0	4.2	*	0.0	6.6	*
Stroke	15	20.0	21.7	*	40.0	27.6	*	40.0	32.2	*
Hip Fracture	3	0.0	4.4	*	0.0	8.8	*	0.0	11.7	*
Sepsis	13	23.1	28.2	*	30.8	35.4	*	30.8	41.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.5	*	0.0	9.5	*	0.0	12.9	*
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	10	10.0	1.6	*	10.0	2.6	*	10.0	3.4	*
Hysterectomy	2	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	435	8.5	9.7	2.6	12.9	14.6	2.7	16.6	18.6	2.6
CONDITIONS:										
Acute Myocardial Infarction	12	25.0	31.1	*	33.3	34.2	*	41.7	37.7	*
Congestive Heart Failure	15	20.0	15.6	*	20.0	23.9	*	20.0	30.9	*
Pneumonia/Influenza	22	9.1	15.2	*	13.6	21.1	*	18.2	26.2	*
Chronic Obstructive Pulmonary Disease	9	11.1	9.5	*	11.1	15.4	*	11.1	20.0	*
Transient Cerebral Ischemia	13	0.0	1.9	*	7.7	4.4	*	7.7	7.1	*
Stroke	18	11.1	23.3	*	27.8	30.1	*	33.3	35.2	*
Hip Fracture	11	0.0	6.1	*	9.1	11.2	*	9.1	14.7	*
Sepsis	8	37.5	41.9	*	50.0	49.3	*	50.0	55.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	6.9	*	20.0	12.1	*	20.0	15.3	*
Open Reduction of Hip Fracture	3	0.0	5.1	*	0.0	10.7	*	0.0	15.1	*
Prostatectomy	0									
Cholecystectomy	13	0.0	2.8	*	0.0	4.5	*	0.0	5.5	*
Hysterectomy	4	0.0	0.7	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RADFORD COMMUNITY HOSPITAL

8th & Randolph Sts
Radford, VA 24141

Medicare Provider Number: 490042

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,199	8.1	7.6	0.9	11.9	11.8	1.1	14.5	15.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	56	23.2	22.7	5.6	25.0	26.0	5.9	30.4	29.4	6.1
Congestive Heart Failure	49	16.3	13.2	*	20.4	20.9	*	26.5	27.5	*
Pneumonia/Influenza	72	13.9	14.7	4.2	19.4	20.4	5.0	23.6	24.8	5.6
Chronic Obstructive Pulmonary Disease	22	9.1	6.7	*	9.1	12.4	*	9.1	17.3	*
Transient Cerebral Ischemia	22	4.5	1.4	*	4.5	2.9	*	4.5	4.6	*
Stroke	40	15.0	16.9	*	20.0	23.2	*	22.5	27.5	*
Hip Fracture	31	9.7	6.2	*	9.7	11.7	*	16.1	15.7	*
Sepsis	1	0.0	31.0	*	0.0	42.0	*	0.0	49.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	5.2	*	0.0	8.9	*	0.0	11.8	*
Carotid Endarterectomy	12	0.0	2.6	*	0.0	5.4	*	0.0	8.3	*
Hip Replacement/Reconstruction	14	0.0	2.9	*	0.0	5.6	*	7.1	7.8	*
Open Reduction of Hip Fracture	21	14.3	5.9	*	14.3	11.5	*	19.0	15.7	*
Prostatectomy	25	0.0	0.7	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	34	2.9	3.6	*	2.9	5.8	*	2.9	6.9	*
Hysterectomy	13	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	157
Occupancy Rate	50
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	67
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	111
Licensed Practical Nurses	61

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

RADFORD COMMUNITY HOSPITAL

Medicare Provider Number: 490042

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,184	8.9	6.9	1.0	12.5	10.9	1.0	14.4	14.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	32	43.8	26.3	*	43.8	29.3	*	46.9	32.2	*
Congestive Heart Failure	71	21.1	14.2	8.0	33.8	22.8	10.1	38.0	29.7	9.0
Pneumonia/Influenza	66	18.2	14.8	7.1	21.2	20.1	5.7	24.2	24.4	5.5
Chronic Obstructive Pulmonary Disease	18	11.1	5.0	*	22.2	11.2	*	22.2	16.9	*
Transient Cerebral Ischemia	8	0.0	1.3	*	0.0	3.0	*	0.0	4.8	*
Stroke	45	22.2	21.0	*	33.3	28.2	*	33.3	33.0	*
Hip Fracture	33	0.0	4.9	*	3.0	9.4	*	3.0	12.5	*
Sepsis	3	0.0	11.2	*	0.0	17.0	*	0.0	21.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	2.4	*	18.2	4.6	*	18.2	6.9	*
Carotid Endarterectomy	13	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	29	0.0	3.7	*	0.0	7.2	*	0.0	9.7	*
Open Reduction of Hip Fracture	14	0.0	3.7	*	7.1	7.2	*	7.1	9.8	*
Prostatectomy	50	0.0	0.6	*	2.0	1.6	*	2.0	2.7	*
Cholecystectomy	32	3.1	2.2	*	3.1	4.1	*	3.1	5.5	*
Hysterectomy	12	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,258	9.0	7.3	1.1	13.9	11.5	1.4	16.6	14.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	42	50.0	30.4	*	54.8	33.8	*	54.8	37.2	*
Congestive Heart Failure	66	9.1	15.3	7.3	22.7	23.8	5.8	27.3	30.7	6.6
Pneumonia/Influenza	55	14.5	14.4	7.0	25.5	20.1	10.0	27.3	24.8	9.6
Chronic Obstructive Pulmonary Disease	20	25.0	4.9	*	30.0	9.7	*	35.0	14.1	*
Transient Cerebral Ischemia	9	11.1	2.2	*	11.1	5.4	*	11.1	9.0	*
Stroke	48	12.5	19.3	*	16.7	26.3	*	22.9	31.1	*
Hip Fracture	30	3.3	5.8	*	10.0	10.7	*	13.3	13.9	*
Sepsis	6	33.3	15.6	*	33.3	21.4	*	33.3	25.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.8	*	10.0	8.7	*	10.0	12.0	*
Carotid Endarterectomy	8	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	18	0.0	3.1	*	5.6	6.2	*	5.6	8.6	*
Open Reduction of Hip Fracture	18	0.0	5.9	*	11.1	11.3	*	16.7	14.8	*
Prostatectomy	35	0.0	0.6	*	2.9	1.4	*	8.6	2.4	*
Cholecystectomy	48	0.0	1.8	*	0.0	3.6	*	2.1	5.1	*
Hysterectomy	16	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RAPPAHANNOCK GENERAL HOSPITAL

Harris Drive P O Box 1449
Kilmarnock, VA 22482

Medicare Provider Number: 490123

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	921	9.0	8.8	1.0	13.5	13.5	1.2	16.7	17.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	33	30.3	24.9	*	30.3	28.3	*	30.3	31.8	*
Congestive Heart Failure	48	12.5	15.5	*	25.0	23.9	*	31.3	30.8	*
Pneumonia/Influenza	33	21.2	16.9	*	24.2	22.9	*	33.3	27.6	*
Chronic Obstructive Pulmonary Disease	11	0.0	5.2	*	9.1	10.6	*	18.2	15.6	*
Transient Cerebral Ischemia	11	0.0	2.9	*	0.0	7.0	*	0.0	11.3	*
Stroke	47	12.8	21.3	*	21.3	27.7	*	21.3	32.2	*
Hip Fracture	30	0.0	6.5	*	3.3	12.1	*	10.0	15.9	*
Sepsis	9	22.2	31.1	*	66.7	40.8	*	66.7	47.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.0	*	0.0	6.8	*	0.0	11.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	0.0	2.3	*	4.3	4.5	*	8.7	6.2	*
Open Reduction of Hip Fracture	16	0.0	5.4	*	0.0	10.2	*	6.3	13.5	*
Prostatectomy	14	0.0	1.0	*	7.1	2.5	*	7.1	4.2	*
Cholecystectomy	24	8.3	3.8	*	8.3	7.2	*	12.5	9.3	*
Hysterectomy	2	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	76
Occupancy Rate	47
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	30
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	0
Registered Nurses	65
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RAPPAHANNOCK GENERAL HOSPITAL

Medicare Provider Number: 490123

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	936	11.1	8.7	1.4	15.3	13.6	1.4	18.5	17.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	34	32.4	29.1	*	35.3	32.3	*	38.2	35.7	*
Congestive Heart Failure	47	21.3	15.5	*	25.5	23.1	*	27.7	29.4	*
Pneumonia/Influenza	37	18.9	17.7	*	29.7	24.0	*	29.7	28.9	*
Chronic Obstructive Pulmonary Disease	12	8.3	5.7	*	8.3	10.4	*	8.3	14.7	*
Transient Cerebral Ischemia	16	0.0	2.2	*	6.3	4.9	*	18.8	7.8	*
Stroke	41	17.1	21.7	*	26.8	28.6	*	29.3	33.3	*
Hip Fracture	31	9.7	6.3	*	12.9	11.7	*	16.1	15.2	*
Sepsis	5	20.0	28.4	*	20.0	34.2	*	20.0	39.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	3.2	*	0.0	6.2	*	7.1	8.2	*
Open Reduction of Hip Fracture	13	7.7	5.3	*	15.4	10.6	*	15.4	14.2	*
Prostatectomy	20	0.0	0.6	*	0.0	1.4	*	5.0	2.4	*
Cholecystectomy	14	7.1	2.3	*	7.1	3.8	*	7.1	4.8	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	919	9.6	9.1	1.4	14.4	13.9	1.3	17.3	17.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	40	30.0	28.2	*	37.5	31.6	*	40.0	35.2	*
Congestive Heart Failure	52	17.3	17.0	5.3	23.1	25.6	6.7	28.8	32.6	8.4
Pneumonia/Influenza	25	16.0	17.4	*	24.0	23.3	*	28.0	27.9	*
Chronic Obstructive Pulmonary Disease	11	18.2	4.8	*	27.3	9.1	*	27.3	13.1	*
Transient Cerebral Ischemia	10	0.0	2.7	*	0.0	5.9	*	0.0	9.2	*
Stroke	47	27.7	19.5	*	27.7	26.1	*	31.9	30.5	*
Hip Fracture	35	2.9	5.6		2.9	10.5	*	5.7	13.9	*
Sepsis	6	0.0	38.8	*	0.0	46.8	*	16.7	53.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	8.7	*	0.0	19.5	*	0.0	30.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	4.3	3.4	*	4.3	6.6	*	13.0	8.9	*
Open Reduction of Hip Fracture	21	0.0	4.9	*	0.0	9.8	*	0.0	13.1	*
Prostatectomy	22	0.0	0.6	*	0.0	1.4	*	0.0	2.5	*
Cholecystectomy	10	0.0	1.8	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	7	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

RESTON HOSPITAL CENTER

1850 Town Center Pkwy P O Box 3220
Reston, VA 22090

Medicare Provider Number: 490107

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	661	11.3	8.8	1.7	16.2	13.6	1.9	19.8	17.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	16	50.0	22.2	*	50.0	25.6	*	50.0	29.0	*
Congestive Heart Failure	55	18.2	15.9	5.6	23.6	24.9	6.6	34.5	32.2	6.6
Pneumonia/Influenza	24	16.7	16.8	*	25.0	23.5	*	29.2	28.2	*
Chronic Obstructive Pulmonary Disease	18	16.7	6.5	*	22.2	11.6	*	27.8	16.1	*
Transient Cerebral Ischemia	13	7.7	2.2	*	7.7	5.0	*	7.7	8.1	*
Stroke	26	11.5	18.4	*	15.4	25.4	*	19.2	29.9	*
Hip Fracture	32	6.3	6.1	*	15.6	11.5	*	18.8	15.2	*
Sepsis	10	20.0	27.3	*	20.0	34.2	*	30.0	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.3	*	11.1	6.8	*	22.2	10.1	*
Carotid Endarterectomy	2	0.0	0.9	*	0.0	1.8	*	0.0	2.5	*
Hip Replacement/Reconstruction	13	0.0	2.1	*	0.0	4.2	*	7.7	6.1	*
Open Reduction of Hip Fracture	19	5.3	5.9	*	21.1	11.5	*	21.1	15.4	*
Prostatectomy	7	0.0	0.5	*	0.0	1.4	*	0.0	2.4	*
Cholecystectomy	9	0.0	2.3	*	0.0	4.4	*	0.0	5.9	*
Hysterectomy	1	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	127
Occupancy Rate	56
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	275
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	150
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RESTON HOSPITAL CENTER

Medicare Provider Number: 490107

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	545	10.1	8.5	2.0	12.3	12.8	2.3	16.1	16.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	21	23.8	27.5	*	23.8	31.2	*	23.8	34.6	*
Congestive Heart Failure	33	12.1	13.6	*	18.2	21.2	*	24.2	27.7	*
Pneumonia/Influenza	17	23.5	14.5	*	35.3	20.2	*	47.1	24.9	*
Chronic Obstructive Pulmonary Disease	8	0.0	7.5	*	0.0	13.3	*	0.0	18.3	*
Transient Cerebral Ischemia	16	6.3	2.2	*	6.3	5.2	*	6.3	8.4	*
Stroke	24	37.5	21.9	*	41.7	28.8	*	45.8	33.6	*
Hip Fracture	18	5.6	4.2	*	5.6	8.0	*	5.6	10.6	*
Sepsis	5	0.0	32.5	*	20.0	42.7	*	20.0	49.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	2	0.0	3.0	*	0.0	5.4	*	0.0	7.8	*
Hip Replacement/Reconstruction	14	7.1	3.2	*	7.1	6.2	*	7.1	8.3	*
Open Reduction of Hip Fracture	4	0.0	3.9	*	0.0	8.1	*	0.0	11.3	*
Prostatectomy	15	0.0	4.2	*	0.0	5.8	*	6.7	7.7	*
Cholecystectomy	9	22.2	2.2	*	22.2	4.1	*	22.2	5.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	356	7.0	9.1	2.5	11.5	13.6	2.9	14.6	17.1	3.5
CONDITIONS:										
Acute Myocardial Infarction	15	26.7	23.7	*	26.7	27.1	*	26.7	30.9	*
Congestive Heart Failure	20	15.0	15.9	*	20.0	24.0	*	30.0	30.6	*
Pneumonia/Influenza	13	7.7	14.9	*	7.7	20.3	*	7.7	24.8	*
Chronic Obstructive Pulmonary Disease	6	33.3	16.3	*	33.3	26.2	*	33.3	33.1	*
Transient Cerebral Ischemia	9	0.0	1.3	*	11.1	2.8	*	22.2	4.5	*
Stroke	11	27.3	20.6	*	27.3	28.4	*	27.3	33.8	*
Hip Fracture	8	0.0	4.8	*	0.0	8.8	*	0.0	11.9	*
Sepsis	1	0.0	9.2	*	0.0	14.4	*	0.0	19.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.1	*	0.0	7.9	*	0.0	13.6	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*
Hip Replacement/Reconstruction	6	0.0	3.4	*	0.0	6.7	*	0.0	9.3	*
Open Reduction of Hip Fracture	3	0.0	4.5	*	0.0	8.2	*	0.0	10.7	*
Prostatectomy	9	11.1	1.2	*	11.1	2.8	*	11.1	4.7	*
Cholecystectomy	2	0.0	5.3	*	0.0	9.6	*	0.0	11.9	*
Hysterectomy	1	0.0	0.5	*	0.0	0.9	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RETREAT HOSPITAL

2621 Grove Ave
Richmond, VA 23220

Medicare Provider Number: 490071

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,071	7.0	7.5	0.6	10.6	11.7	0.9	14.0	15.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	39	33.3	31.2	*	41.0	34.8	*	46.2	38.7	*
Congestive Heart Failure	70	15.7	16.6	4.5	24.3	26.1	6.4	32.9	33.6	5.9
Pneumonia/Influenza	56	10.7	16.0	7.6	10.7	22.0	10.2	17.9	26.8	10.1
Chronic Obstructive Pulmonary Disease	36	16.7	6.5	*	27.8	12.1	*	33.3	17.0	*
Transient Cerebral Ischemia	42	0.0	1.7	*	7.1	3.9	*	7.1	6.4	*
Stroke	51	19.6	21.3	6.3	27.5	27.9	8.3	27.5	32.5	9.1
Hip Fracture	37	5.4	7.2	*	10.8	13.4	*	16.2	17.8	*
Sepsis	21	23.8	27.9	*	28.6	34.4	*	33.3	40.6	*
PROCEDURES:										
Angioplasty	2	0.0	5.2	*	0.0	6.9	*	0.0	9.1	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	2.1	*	5.6	4.4	*	5.6	6.9	*
Carotid Endarterectomy	23	4.3	1.5	*	4.3	2.8	*	4.3	4.1	*
Hip Replacement/Reconstruction	36	5.6	3.8	*	8.3	7.0	*	11.1	9.4	*
Open Reduction of Hip Fracture	3	0.0	8.0	*	0.0	14.6	*	0.0	19.1	*
Prostatectomy	77	0.0	0.6	1.0	0.0	1.5	1.9	2.6	2.5	1.9
Cholecystectomy	27	7.4	3.5	*	11.1	5.8	*	11.1	7.8	*
Hysterectomy	15	0.0	1.1	*	0.0	2.4	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	143
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	136
Percent of Physicians Board Certified Specialists	96
Medical Residents/Interns	0
Registered Nurses	96
Licensed Practical Nurses	69

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RETREAT HOSPITAL

Medicare Provider Number: 490071

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,073	7.3	8.1	0.8	11.4	12.5	1.1	14.3	15.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	34	23.5	29.9	*	29.4	33.6	*	29.4	37.6	*
Congestive Heart Failure	76	18.4	15.7	5.0	25.0	23.9	5.0	27.6	30.5	5.8
Pneumonia/Influenza	60	10.0	16.1	9.5	15.0	22.2	8.9	23.3	26.8	7.7
Chronic Obstructive Pulmonary Disease	34	14.7	6.3	*	29.4	12.2	*	35.3	17.4	*
Transient Cerebral Ischemia	51	0.0	2.3	*	5.9	5.1	*	11.8	8.0	*
Stroke	66	15.2	21.5	9.5	19.7	27.7	10.7	24.2	32.3	12.4
Hip Fracture	55	12.7	6.5	5.3	16.4	11.6	5.6	16.4	14.8	6.4
Sepsis	12	25.0	35.7	*	41.7	44.7	*	41.7	51.4	*
PROCEDURES:										
Angioplasty	2	0.0	4.4	*	0.0	5.6	*	0.0	6.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	1.8	*	0.0	3.7	*	0.0	5.7	*
Carotid Endarterectomy	18	0.0	1.5	*	5.6	2.9	*	5.6	4.3	*
Hip Replacement/Reconstruction	44	11.4	2.9	*	15.9	5.7	*	18.2	7.7	*
Open Reduction of Hip Fracture	15	13.3	7.1	*	13.3	13.0	*	13.3	16.7	*
Prostatectomy	78	0.0	0.8	1.2	0.0	2.0	2.1	1.3	3.4	2.7
Cholecystectomy	31	6.5	2.6	*	9.7	4.9	*	9.7	6.6	*
Hysterectomy	8	0.0	0.9	*	0.0	1.9	*	0.0	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,047	6.6	7.4	0.8	10.3	11.5	1.1	13.1	14.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	27	22.2	33.8	*	25.9	37.7	*	33.3	41.9	*
Congestive Heart Failure	84	20.2	18.0	6.1	27.4	27.0	6.4	35.7	34.3	6.6
Pneumonia/Influenza	37	18.9	17.9	*	21.6	23.8	*	24.3	28.6	*
Chronic Obstructive Pulmonary Disease	39	10.3	7.4	*	15.4	13.2	*	28.2	18.2	*
Transient Cerebral Ischemia	38	2.6	1.9	*	2.6	4.2	*	2.6	6.7	*
Stroke	61	16.4	22.0	10.0	19.7	28.1	11.1	26.2	32.7	10.8
Hip Fracture	41	7.3	7.4	*	9.8	12.9	*	12.2	16.6	*
Sepsis	12	8.3	36.4	*	33.3	43.1	*	41.7	49.5	*
PROCEDURES:										
Angioplasty	1	0.0	3.7	*	0.0	6.4	*	0.0	9.9	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	7.4	*	0.0	12.6	*	0.0	17.1	*
Carotid Endarterectomy	18	0.0	1.8	*	0.0	3.5	*	0.0	5.2	*
Hip Replacement/Reconstruction	33	0.0	4.0	*	0.0	6.9	*	3.0	8.9	*
Open Reduction of Hip Fracture	13	15.4	6.5	*	23.1	12.2	*	23.1	15.9	*
Prostatectomy	85	0.0	0.8	1.3	2.4	2.0	1.6	2.4	3.4	2.2
Cholecystectomy	34	0.0	3.2	*	0.0	5.2	*	0.0	6.5	*
Hysterectomy	16	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

RICHMOND COMMUNITY HOSPITAL

1500 N 28th St
Richmond, VA 23223

Medicare Provider Number: 490094

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	531	4.7	5.1	1.1	8.1	8.6	1.4	10.4	11.7	1.9
CONDITIONS:										
Acute Myocardial Infarction	7	57.1	29.6	*	57.1	34.3	*	57.1	39.1	*
Congestive Heart Failure	13	7.7	12.1	*	30.8	19.8	*	30.8	26.5	*
Pneumonia/Influenza	2	50.0	7.5	*	50.0	10.5	*	50.0	13.0	*
Chronic Obstructive Pulmonary Disease	4	0.0	2.5	*	0.0	5.0	*	25.0	7.3	*
Transient Cerebral Ischemia	5	0.0	1.4	*	0.0	3.2	*	0.0	5.2	*
Stroke	12	0.0	17.9	*	8.3	24.8	*	8.3	29.7	*
Hip Fracture	1	0.0	6.6	*	0.0	10.7	*	0.0	13.4	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	2.3	*	66.7	5.3	*	66.7	8.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	13	0.0	3.9	*	0.0	8.3	*	0.0	11.7	*
Cholecystectomy	5	0.0	1.2	*	20.0	2.1	*	20.0	3.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	87
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	70
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	41
Licensed Practical Nurses	19

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RICHMOND COMMUNITY HOSPITAL

Medicare Provider Number: 490094

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	583	4.6	5.7	1.2	9.6	9.8	1.4	13.2	13.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	22.0	*	25.0	25.5	*	25.0	29.1	*
Congestive Heart Failure	24	0.0	12.9	*	8.3	20.6	*	16.7	26.9	*
Pneumonia/Influenza	6	0.0	12.4	*	16.7	17.1	*	16.7	21.0	*
Chronic Obstructive Pulmonary Disease	8	12.5	4.5	*	25.0	9.5	*	37.5	14.3	*
Transient Cerebral Ischemia	6	0.0	2.0	*	0.0	4.6	*	0.0	7.5	*
Stroke	9	11.1	15.9	*	22.2	22.3	*	22.2	27.0	*
Hip Fracture	1	100.0	3.2	*	100.0	6.2	*	100.0	8.5	*
Sepsis	3	0.0	42.0	*	0.0	49.9	*	33.3	56.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	7.0	*	0.0	14.2	*	25.0	19.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	1.8	*	0.0	4.0	*	0.0	6.6	*
Open Reduction of Hip Fracture	0									
Prostatectomy	13	0.0	2.1	*	0.0	5.2	*	0.0	8.8	*
Cholecystectomy	1	100.0	1.2	*	100.0	2.1	*	100.0	2.8	*
Hysterectomy	6	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	514	6.0	7.3	1.4	11.3	11.8	1.8	16.3	15.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	27.1	*	0.0	31.4	*	0.0	35.7	*
Congestive Heart Failure	17	17.6	12.2	*	23.5	19.5	*	35.3	26.0	*
Pneumonia/Influenza	9	11.1	12.5	*	11.1	18.6	*	33.3	23.5	*
Chronic Obstructive Pulmonary Disease	11	9.1	6.5	*	9.1	11.1	*	9.1	15.1	*
Transient Cerebral Ischemia	4	0.0	1.3	*	0.0	2.9	*	0.0	4.5	*
Stroke	23	4.3	15.9	*	13.0	22.6	*	21.7	27.4	*
Hip Fracture	1	0.0	5.3	*	0.0	10.8	*	0.0	14.9	*
Sepsis	7	28.6	25.0	*	42.9	37.7	*	57.1	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.1	*	0.0	4.6	*	0.0	7.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	4.5	*	0.0	9.7	*	0.0	13.8	*
Prostatectomy	10	0.0	1.5	*	10.0	3.7	*	10.0	6.2	*
Cholecystectomy	2	0.0	1.9	*	0.0	3.0	*	0.0	3.7	*
Hysterectomy	2	0.0	3.8	*	0.0	7.5	*	0.0	11.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RICHMOND EYE AND EAR HOSPITAL

1001 E Marshall St
Richmond, VA 23219

Medicare Provider Number: 490003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	251	0.0	0.5	0.6	0.0	1.1	1.1	0.8	1.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	60
Occupancy Rate	12
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	79
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	30
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RICHMOND EYE AND EAR HOSPITAL

Medicare Provider Number: 490003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	265	0.0	0.5	0.5	0.4	1.1	0.8	0.8	1.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	210	0.0	0.6	0.8	0.0	1.3	1.6	1.4	2.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	7.3	*	0.0	11.3	*	0.0	14.1	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RICHMOND MEMORIAL HOSPITAL

1300 Westwood Ave
Richmond, VA 23227

Medicare Provider Number: 490069

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,678	9.9	10.2	0.7	16.4	15.5	1.2	20.3	19.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	65	30.8	30.4	5.8	33.8	34.2	5.9	38.5	38.0	6.5
Congestive Heart Failure	138	13.8	15.5	3.9	21.7	24.3	6.6	27.5	31.2	6.5
Pneumonia/Influenza	87	24.1	17.5	7.6	31.0	24.3	7.4	34.5	29.4	6.6
Chronic Obstructive Pulmonary Disease	31	3.2	4.3	*	6.5	8.4	*	6.5	12.3	*
Transient Cerebral Ischemia	54	3.7	1.9	2.8	7.4	4.3	4.2	7.4	6.9	4.8
Stroke	129	14.0	21.1	4.9	21.7	27.4	4.4	24.8	32.0	5.2
Hip Fracture	87	6.9	6.5	2.7	13.8	11.8	4.8	18.4	15.4	6.2
Sepsis	51	27.5	29.5	6.4	47.1	38.5	7.7	56.9	44.9	9.0
PROCEDURES:										
Angioplasty	10	0.0	3.5	*	0.0	5.2	*	0.0	6.7	*
Coronary Artery Bypass Graft	7	14.3	6.7	*	14.3	8.7	*	14.3	9.8	*
Initial Pacemaker Insertion	32	0.0	3.5	*	9.4	7.1	*	12.5	10.5	*
Carotid Endarterectomy	7	0.0	1.1	*	14.3	2.0	*	14.3	3.0	*
Hip Replacement/Reconstruction	20	5.0	5.0	*	5.0	9.3	*	10.0	12.2	*
Open Reduction of Hip Fracture	67	9.0	5.7	3.8	16.4	10.8	6.3	20.9	14.3	7.6
Prostatectomy	68	4.4	1.0	2.5	7.4	2.6	3.5	7.4	4.4	3.6
Cholecystectomy	30	6.7	4.5	*	10.0	8.2	*	20.0	10.7	*
Hysterectomy	15	0.0	0.6	*	0.0	1.2	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	339
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	220
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	262
Licensed Practical Nurses	100

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

RICHMOND MEMORIAL HOSPITAL

Medicare Provider Number: 490069

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,783	9.4	9.6	0.6	15.3	14.7	0.7	20.2	18.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	53	32.1	26.4	9.6	39.6	30.0	10.2	39.6	33.7	11.2
Congestive Heart Failure	113	12.4	14.6	4.0	21.2	22.5	4.2	31.9	29.1	5.1
Pneumonia/Influenza	113	23.0	16.7	5.5	26.5	22.8	5.0	31.0	27.6	5.0
Chronic Obstructive Pulmonary Disease	28	7.1	6.6	*	14.3	11.8	*	21.4	16.0	*
Transient Cerebral Ischemia	77	1.3	2.1	1.8	1.3	4.6	3.4	2.6	7.3	5.0
Stroke	158	20.3	19.9	3.2	27.2	26.1	4.0	34.8	30.7	5.7
Hip Fracture	76	5.3	6.5	3.1	13.2	11.6	4.0	15.8	15.0	4.3
Sepsis	47	31.9	30.8	*	51.1	38.5	*	55.3	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	4.1	*	0.0	7.5	*	4.8	10.8	*
Carotid Endarterectomy	12	8.3	1.3	*	8.3	2.6	*	8.3	3.9	*
Hip Replacement/Reconstruction	34	5.9	5.4	*	11.8	9.4	*	17.6	11.9	*
Open Reduction of Hip Fracture	47	2.1	4.9	*	6.4	9.4	*	6.4	12.6	*
Prostatectomy	66	3.0	1.8	3.1	7.6	3.8	5.1	10.6	6.0	6.3
Cholecystectomy	41	7.3	6.4	*	14.6	10.4	*	14.6	13.1	*
Hysterectomy	19	0.0	0.8	*	0.0	1.8	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,836	9.9	9.5	0.6	15.6	14.6	0.8	19.1	18.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	58	36.2	27.0	7.0	41.4	30.6	8.1	41.4	34.3	6.9
Congestive Heart Failure	144	13.9	14.8	3.0	23.6	22.6	3.5	25.7	29.1	4.3
Pneumonia/Influenza	92	20.7	16.3	5.2	30.4	22.3	5.5	35.9	27.2	7.4
Chronic Obstructive Pulmonary Disease	41	4.9	6.5	*	14.6	12.1	*	22.0	17.1	*
Transient Cerebral Ischemia	73	1.4	1.7	*	1.4	3.7	*	1.4	5.8	*
Stroke	142	23.9	21.0	4.3	27.5	26.9	3.8	30.3	31.4	4.6
Hip Fracture	81	3.7	5.4	2.9	4.9	10.1	5.1	7.4	13.5	6.2
Sepsis	44	25.0	29.4	*	38.6	37.1	*	43.2	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	3.8	*	8.0	7.8	*	12.0	11.6	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	38	5.3	3.8	*	5.3	7.3	*	7.9	10.0	*
Open Reduction of Hip Fracture	53	3.8	4.8	3.1	5.7	9.4	6.5	7.5	12.8	8.6
Prostatectomy	79	3.8	1.4	2.3	7.6	3.5	4.1	10.1	5.7	5.6
Cholecystectomy	41	4.9	4.2	*	9.8	6.7	*	9.8	8.7	*
Hysterectomy	22	9.1	0.7	*	9.1	1.3	*	13.6	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

285.1

RICHMOND MEMORIAL HOSPITAL
We Care for Life.

Medicare Provider Number 490069

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

After reviewing the Mortality Rate Tables for 1989, 1988, and 1987, I request that you publish the following comments with the hospital-specific information you plan to release on Richmond Memorial Hospital of Richmond, Virginia:

1.) The data do not specify whether the deaths at 30, 60, and 180 days are related to the Condition or Procedure listed in the table. Therefore, the information may be meaningless. For example, if the patient was listed under "cholecystectomy" but died of a myocardial infarction sixty days later, the implied cause and effect relationship may be erroneous. Correcting the data for demographic characteristics, co-morbid conditions, admission type, and admission source or making complex statistical computations does not improve the validity of the information if the death was unrelated to the patient's category in the table.

2.) Selecting cases in each category at random, instead of studying all cases in each category, creates the risk that the sample may be unrepresentative. This may produce a misleading picture.

An example of this is the information in the table on our hospital's experience with coronary artery bypass grafting. The table shows seven "randomly selected" cases of coronary artery bypass grafting during fiscal year 1989, with a death rate of "14.3%." This "14.3%" represents one case of the seven selected. The table, as published, suggests that only seven cases were done in the twelve months of fiscal year 1989. Our program of cardiac surgery began on February 14, 1989, so the program was in operation only seven months of the fiscal year. However, during that seven month period, a total of 31 CABG operations was done with one death. Therefore, the death rate at our hospital was actually 3.2% for seven months of fiscal year 1989.

Medicare provider number: 490069

Clearly, then, the method of selection produced a spurious and misleading result, because the only death at our hospital during the period of the study happened to be among the seven cases selected out of a total of 31.

3.) Since the release will include information spanning three years, there should be some test applied to the data to show whether the differences from year to year are statistically significant. The results of that test should be published and explained with the data.

4.) In instances where the table shows the number of cases selected was too small to calculate a standard deviation, it is certainly too small to be considered a valid and statistically interpretable outcome. Therefore it serves no purpose to publish such data at all. In fact, it is misleading to a layman, not trained in the interpretation of scientific or statistical information.

We feel a biostatistician should calculate how many cases constitute a statistically valid sample in each category. Some phenomena need only a few, while others may require hundreds before any conclusion can be drawn. Concomitantly, some test showing whether the variation from predicted mortality is statistically significant should be tabulated with the data.

5.) We feel "Enclosure A" of your notification of your intention to publish hospital specific data should be published with the data. This would allow statisticians outside of the Health Care Financing Administration to analyze the method used and would show the public how complex the methodology is.

Thank you for the opportunity to comment on this release.

Yours truly,

Samuel F. Lillard

Samuel F. Lillard, President
Richmond Memorial Hospital
Richmond, Virginia

RIVERSIDE HOSPITAL

500 J Clyde Morris Blvd
Newport News, VA 23601

Medicare Provider Number: 490052

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	4,211	8.9	7.8	0.6	13.6	12.1	0.7	16.8	15.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	138	19.6	23.3	6.0	21.7	26.3	6.8	24.6	29.6	7.6
Congestive Heart Failure	164	16.5	15.0	3.0	24.4	22.4	4.6	30.5	28.9	3.8
Pneumonia/Influenza	107	24.3	14.9	5.1	31.8	20.4	5.4	37.4	25.0	6.3
Chronic Obstructive Pulmonary Disease	74	13.5	7.0	5.2	20.3	12.6	5.6	21.6	17.5	5.2
Transient Cerebral Ischemia	69	2.9	1.4	1.9	2.9	3.2	2.3	2.9	5.0	3.6
Stroke	150	20.7	19.0	5.1	28.7	25.2	5.7	31.3	29.3	4.7
Hip Fracture	78	1.3	5.9	3.4	3.8	10.9	4.7	10.3	14.3	5.7
Sepsis	33	27.3	22.1	*	33.3	30.9	*	39.4	37.4	*
PROCEDURES:										
Angioplasty	63	0.0	3.1	3.9	1.6	3.8	3.6	3.2	4.7	3.4
Coronary Artery Bypass Graft	114	1.8	3.6	2.9	1.8	5.2	3.5	2.6	6.3	4.0
Initial Pacemaker Insertion	27	3.7	3.3	*	7.4	6.1	*	14.8	8.8	*
Carotid Endarterectomy	8	0.0	1.0	*	0.0	1.8	*	0.0	2.5	*
Hip Replacement/Reconstruction	77	1.3	2.9	2.3	3.9	5.5	3.3	5.2	7.4	4.5
Open Reduction of Hip Fracture	20	5.0	5.8	*	10.0	11.0	*	15.0	14.4	*
Prostatectomy	100	1.0	0.8	1.0	1.0	2.0	1.7	2.0	3.2	2.6
Cholecystectomy	75	0.0	1.6	2.2	1.3	2.7	2.7	2.7	3.6	3.1
Hysterectomy	42	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	576
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	250
Percent of Physicians Board Certified Specialists	94
Medical Residents/Interns	57
Registered Nurses	352
Licensed Practical Nurses	117

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

RIVERSIDE HOSPITAL

Medicare Provider Number: 490052

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,106	8.7	8.0	0.6	14.0	12.3	0.9	16.7	15.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	141	31.2	25.4	6.8	36.9	28.8	7.0	38.3	32.4	6.2
Congestive Heart Failure	139	12.9	14.7	3.5	22.3	22.7	4.4	29.5	29.4	3.9
Pneumonia/Influenza	89	23.6	15.8	7.1	32.6	21.4	7.1	37.1	25.8	7.2
Chronic Obstructive Pulmonary Disease	67	10.4	6.8	6.6	19.4	11.7	9.2	20.9	16.0	7.9
Transient Cerebral Ischemia	50	0.0	1.4	*	2.0	3.0	*	4.0	4.7	*
Stroke	144	15.3	20.8	4.4	21.5	27.3	4.9	22.9	31.8	6.1
Hip Fracture	77	9.1	7.0	4.5	22.1	12.6	6.3	22.1	16.1	7.1
Sepsis	41	22.0	25.1	*	41.5	33.2	*	41.5	39.3	*
PROCEDURES:										
Angioplasty	41	4.9	3.5	*	4.9	4.4	*	4.9	5.5	*
Coronary Artery Bypass Graft	84	2.4	4.3	2.9	6.0	6.2	2.9	6.0	7.5	3.1
Initial Pacemaker Insertion	36	8.3	3.8	*	8.3	6.1	*	8.3	8.5	*
Carotid Endarterectomy	11	0.0	1.2	*	0.0	2.1	*	0.0	3.2	*
Hip Replacement/Reconstruction	57	5.3	3.1	4.7	12.3	6.0	6.6	14.0	8.0	7.1
Open Reduction of Hip Fracture	29	3.4	6.3	*	13.8	11.8	*	13.8	15.3	*
Prostatectomy	100	1.0	0.8	1.0	1.0	2.0	1.7	3.0	3.2	1.9
Cholecystectomy	56	3.6	2.2	2.4	5.4	4.1	3.4	5.4	5.5	4.1
Hysterectomy	29	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,856	9.0	8.7	0.5	14.1	13.3	0.8	17.6	16.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	120	25.8	26.7	4.2	28.3	29.9	4.8	29.2	33.1	5.8
Congestive Heart Failure	127	17.3	15.9	4.2	25.2	23.9	4.0	30.7	30.5	4.1
Pneumonia/Influenza	94	21.3	17.4	4.9	28.7	23.5	5.6	37.2	28.4	7.2
Chronic Obstructive Pulmonary Disease	58	6.9	9.3	4.1	15.5	15.1	5.7	24.1	19.5	7.5
Transient Cerebral Ischemia	44	2.3	1.9	*	2.3	4.1	*	6.8	6.3	*
Stroke	130	17.7	19.9	3.8	26.9	27.2	4.2	33.8	31.6	4.8
Hip Fracture	80	11.2	7.2	4.3	18.7	12.9	7.3	23.7	16.8	8.8
Sepsis	34	20.6	25.2	*	35.3	33.2	*	35.3	39.7	*
PROCEDURES:										
Angioplasty	29	0.0	3.4	*	0.0	4.2	*	0.0	5.3	*
Coronary Artery Bypass Graft	103	5.8	5.2	2.4	7.8	7.3	2.6	8.7	8.5	2.8
Initial Pacemaker Insertion	32	12.5	3.1	*	18.8	5.9	*	18.8	8.6	*
Carotid Endarterectomy	10	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	62	4.8	3.7	2.9	8.1	7.1	3.4	11.3	9.6	5.1
Open Reduction of Hip Fracture	38	7.9	5.4	*	15.8	10.5	*	18.4	14.1	*
Prostatectomy	92	0.0	0.9	1.7	1.1	2.2	2.9	4.3	3.5	3.0
Cholecystectomy	71	0.0	2.7	4.0	5.6	4.8	2.6	5.6	6.4	3.2
Hysterectomy	36	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

RIVERSIDE MIDDLE PENINSULA HOSPITAL

Route 17 Box 1130
Gloucester, VA 23061

Medicare Provider Number: 490130

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	886	11.2	10.2	1.2	17.3	15.3	1.5	21.6	19.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	27	18.5	26.3	*	22.2	29.8	*	25.9	33.6	*
Congestive Heart Failure	30	10.0	14.6	*	16.7	22.5	*	26.7	29.2	*
Pneumonia/Influenza	64	28.1	18.4	7.7	39.1	25.3	9.2	43.8	30.6	10.0
Chronic Obstructive Pulmonary Disease	17	5.9	6.2	*	11.8	11.7	*	17.6	16.4	*
Transient Cerebral Ischemia	9	0.0	2.6	*	0.0	6.0	*	0.0	9.6	*
Stroke	47	14.9	18.1	*	25.5	26.3	*	27.7	31.0	*
Hip Fracture	31	12.9	6.0	*	19.4	10.8	*	22.6	14.2	*
Sepsis	23	17.4	30.5	*	21.7	37.7	*	34.8	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	5.2	*	16.7	9.6	*	25.0	12.7	*
Open Reduction of Hip Fracture	17	17.6	5.6	*	23.5	10.7	*	23.5	14.3	*
Prostatectomy	16	0.0	0.7	*	0.0	1.6	*	0.0	2.8	*
Cholecystectomy	19	10.5	3.9	*	10.5	7.1	*	10.5	9.2	*
Hysterectomy	4	25.0	0.8	*	25.0	1.9	*	25.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	71
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	28
Percent of Physicians Board Certified Specialists	93
Medical Residents/Interns	0
Registered Nurses	44
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RIVERSIDE MIDDLE PENINSULA HOSPITAL

Medicare Provider Number: 490130

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	859	12.1	10.5	1.4	18.3	15.7	2.0	22.8	19.8	2.4
CONDITIONS:										
Acute Myocardial Infarction	32	28.1	29.1	*	31.3	32.9	*	31.3	36.7	*
Congestive Heart Failure	33	12.1	15.0	*	18.2	22.6	*	27.3	29.0	*
Pneumonia/Influenza	36	36.1	19.2	*	38.9	25.8	*	41.7	30.9	*
Chronic Obstructive Pulmonary Disease	15	6.7	6.7	*	26.7	12.6	*	26.7	17.6	*
Transient Cerebral Ischemia	12	0.0	1.9	*	0.0	4.2	*	0.0	6.5	*
Stroke	42	21.4	20.3	*	28.6	27.0	*	33.3	31.5	*
Hip Fracture	30	16.7	7.3	*	26.7	13.1	*	26.7	16.8	*
Sepsis	12	16.7	31.9	*	25.0	38.5	*	33.3	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	2.2	*	0.0	3.3	*	0.0	4.2	*
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	11.8	5.7	*	29.4	10.8	*	35.3	14.2	*
Open Reduction of Hip Fracture	12	16.7	6.8	*	16.7	12.9	*	16.7	17.0	*
Prostatectomy	15	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	13	7.7	2.4	*	15.4	4.2	*	15.4	5.4	*
Hysterectomy	2	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	792	10.9	10.9	1.3	16.3	16.2	1.4	20.1	20.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	34	29.4	28.2	*	38.2	31.1	*	44.1	34.4	*
Congestive Heart Failure	29	10.3	14.9	*	10.3	22.2	*	20.7	28.3	*
Pneumonia/Influenza	29	13.8	17.5	*	24.1	23.5	*	24.1	28.5	*
Chronic Obstructive Pulmonary Disease	20	20.0	10.6	*	25.0	17.9	*	25.0	23.4	*
Transient Cerebral Ischemia	13	7.7	2.9	*	7.7	6.7	*	15.4	10.5	*
Stroke	47	21.3	22.9	*	34.0	31.1	*	36.2	36.0	*
Hip Fracture	17	5.9	6.1	*	5.9	11.4	*	11.8	15.3	*
Sepsis	21	28.6	33.9	*	38.1	40.1	*	38.1	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	5.5	*	10.0	10.4	*	10.0	14.0	*
Open Reduction of Hip Fracture	5	0.0	4.6	*	0.0	9.3	*	0.0	12.7	*
Prostatectomy	24	0.0	1.2	*	0.0	2.9	*	8.3	4.9	*
Cholecystectomy	14	14.3	4.2	*	14.3	8.3	*	21.4	11.1	*
Hysterectomy	2	0.0	0.4	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RIVERSIDE TAPPAHANNOCK HOSPITAL INC

Route 2 Box 256
Tappahannock, VA 22560

Medicare Provider Number: 490084

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	484	11.6	10.4	2.5	17.6	15.5	2.7	20.2	19.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	26.5	*	42.1	30.0	*	47.4	33.6	*
Congestive Heart Failure	22	22.7	13.7	*	27.3	21.3	*	27.3	27.9	*
Pneumonia/Influenza	37	27.0	17.2	*	32.4	23.3	*	32.4	28.1	*
Chronic Obstructive Pulmonary Disease	11	0.0	5.8	*	0.0	9.3	*	9.1	12.5	*
Transient Cerebral Ischemia	5	20.0	1.9	*	20.0	4.2	*	20.0	6.6	*
Stroke	20	25.0	19.2	*	35.0	25.2	*	35.0	29.5	*
Hip Fracture	9	0.0	6.0	*	0.0	10.5	*	0.0	13.7	*
Sepsis	8	0.0	19.8	*	12.5	25.6	*	25.0	30.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	19.5	*	100.0	24.8	*	100.0	27.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.4	*	0.0	9.8	*	0.0	12.7	*
Open Reduction of Hip Fracture	4	0.0	5.1	*	0.0	9.7	*	0.0	13.1	*
Prostatectomy	3	0.0	0.8	*	33.3	2.0	*	33.3	3.5	*
Cholecystectomy	6	16.7	2.7	*	16.7	4.8	*	16.7	6.5	*
Hysterectomy	0									

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1991

Total Beds	83
Ownership/Control	Private, Non-Profit
STAFFING:	
Medical Residents/Interns	0
Registered Nurses	35
Licensed Practical Nurses	13

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

** **Not used in calculating hospital mortality rates.**

RIVERSIDE TAPPAHANNOCK HOSPITAL INC

Medicare Provider Number: 490084

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	480	11.7	10.5	1.9	15.2	15.6	1.7	20.2	19.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	12	33.3	33.0	*	33.3	37.2	*	33.3	41.3	*
Congestive Heart Failure	28	21.4	16.2	*	25.0	24.5	*	42.9	31.5	*
Pneumonia/Influenza	20	20.0	14.3	*	25.0	19.3	*	30.0	23.4	*
Chronic Obstructive Pulmonary Disease	9	0.0	4.6	*	0.0	9.3	*	11.1	13.6	*
Transient Cerebral Ischemia	11	0.0	3.0	*	18.2	6.9	*	27.3	11.2	*
Stroke	15	26.7	20.9	*	40.0	27.1	*	46.7	31.7	*
Hip Fracture	11	0.0	7.2	*	9.1	13.2	*	18.2	17.1	*
Sepsis	11	18.2	26.1	*	18.2	33.0	*	18.2	38.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.4	*	25.0	7.3	*	25.0	10.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.5	*	50.0	8.6	*	50.0	11.5	*
Open Reduction of Hip Fracture	8	0.0	6.9	*	0.0	13.1	*	12.5	17.2	*
Prostatectomy	6	16.7	1.5	*	16.7	4.0	*	16.7	6.9	*
Cholecystectomy	6	16.7	3.1	*	16.7	5.6	*	16.7	7.2	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	478	14.2	12.9	1.9	20.5	18.9	2.2	25.1	23.6	2.2
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	36.4	*	35.3	40.2	*	35.3	43.9	*
Congestive Heart Failure	33	9.1	18.0	*	9.1	26.9	*	12.1	34.0	*
Pneumonia/Influenza	26	30.8	19.0	*	38.5	25.2	*	46.2	30.2	*
Chronic Obstructive Pulmonary Disease	12	8.3	9.6	*	16.7	15.0	*	25.0	19.9	*
Transient Cerebral Ischemia	7	0.0	2.3	*	0.0	5.3	*	0.0	8.5	*
Stroke	14	21.4	23.9	*	50.0	31.4	*	64.3	36.6	*
Hip Fracture	8	12.5	8.8	*	25.0	15.2	*	25.0	19.2	*
Sepsis	21	19.0	39.2	*	38.1	47.1	*	52.4	54.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.6	*	0.0	4.9	*	0.0	7.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	4.3	*	0.0	9.2	*	0.0	13.0	*
Prostatectomy	0									
Cholecystectomy	5	0.0	8.7	*	0.0	14.4	*	20.0	17.7	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ROANOKE MEMORIAL HOSPITALS

Belleview & Jefferson Sts
Roanoke, VA 24033

Medicare Provider Number: 490024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,265	8.3	8.9	0.6	13.1	14.0	0.8	17.2	18.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	106	24.5	26.9	5.9	29.2	30.1	5.3	34.0	33.6	4.6
Congestive Heart Failure	166	13.9	13.6	2.9	21.1	21.4	3.2	27.7	28.0	3.6
Pneumonia/Influenza	143	16.1	14.3	3.2	20.3	19.7	4.1	28.0	24.1	5.4
Chronic Obstructive Pulmonary Disease	33	0.0	9.1	*	9.1	14.9	*	15.2	19.4	*
Transient Cerebral Ischemia	75	2.7	1.8	2.3	4.0	3.9	2.9	6.7	6.2	2.8
Stroke	131	19.8	19.0	3.7	24.4	25.5	4.2	30.5	29.8	4.2
Hip Fracture	106	5.7	6.4	2.4	7.5	11.3	4.7	11.3	14.7	5.3
Sepsis	46	26.1	24.9	*	37.0	33.0	*	39.1	38.9	*
PROCEDURES:										
Angioplasty	48	2.1	3.9	*	2.1	5.1	*	2.1	6.4	*
Coronary Artery Bypass Graft	170	3.5	6.0	2.5	5.3	8.8	2.6	7.6	10.6	2.6
Initial Pacemaker Insertion	26	3.8	3.4	*	7.7	6.8	*	7.7	9.8	*
Carotid Endarterectomy	16	0.0	1.8	*	0.0	3.5	*	0.0	5.2	*
Hip Replacement/Reconstruction	71	1.4	4.1	3.0	1.4	7.5	4.7	4.2	10.1	5.3
Open Reduction of Hip Fracture	48	6.3	5.5	*	8.3	10.4	*	12.5	13.7	*
Prostatectomy	123	0.8	1.2	1.1	2.4	2.9	1.6	4.9	4.9	2.0
Cholecystectomy	82	3.7	2.8	1.9	3.7	5.0	3.0	8.5	6.5	3.0
Hysterectomy	27	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	644
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	229
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	84
Registered Nurses	455
Licensed Practical Nurses	205

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ROANOKE MEMORIAL HOSPITALS

Medicare Provider Number: 490024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,191	9.0	8.9	0.4	14.2	14.1	0.6	17.7	18.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	110	24.5	27.1	5.3	28.2	30.4	4.7	34.5	34.0	5.1
Congestive Heart Failure	178	16.9	14.9	3.1	30.3	23.0	5.3	35.4	29.5	4.9
Pneumonia/Influenza	120	15.0	15.9	3.6	22.5	21.7	4.0	23.3	26.2	4.7
Chronic Obstructive Pulmonary Disease	47	2.1	5.5	*	6.4	10.0	*	8.5	14.2	*
Transient Cerebral Ischemia	72	4.2	2.0	2.3	5.6	4.3	2.7	8.3	6.7	3.6
Stroke	132	20.5	19.3	4.0	26.5	25.3	3.9	28.0	29.6	4.1
Hip Fracture	93	4.3	6.9	4.1	6.5	12.3	5.5	12.9	15.8	4.8
Sepsis	35	34.3	26.0	*	51.4	36.1	*	57.1	43.6	*
PROCEDURES:										
Angioplasty	42	4.8	3.6	*	4.8	4.7	*	9.5	5.9	*
Coronary Artery Bypass Graft	148	4.1	7.6	3.8	8.8	10.5	4.1	10.1	12.1	3.9
Initial Pacemaker Insertion	32	6.3	4.6	*	6.3	7.7	*	9.4	10.5	*
Carotid Endarterectomy	17	0.0	1.6	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	76	0.0	3.8	3.5	2.6	7.2	4.5	6.6	9.6	4.1
Open Reduction of Hip Fracture	41	7.3	6.4	*	9.8	11.9	*	12.2	15.5	*
Prostatectomy	142	2.8	1.3	1.3	4.9	2.9	1.9	7.0	4.6	2.5
Cholecystectomy	81	3.7	3.2	3.5	8.6	6.0	5.3	11.1	7.9	6.6
Hysterectomy	26	3.8	1.9	*	3.8	3.0	*	3.8	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,102	8.8	8.9	0.5	14.6	13.9	0.9	17.9	17.8	0.6
CONDITIONS:										
Acute Myocardial Infarction	113	23.0	27.6	7.8	26.5	30.7	8.2	29.2	34.2	8.1
Congestive Heart Failure	162	17.9	15.7	3.7	30.2	24.2	5.9	35.8	31.1	4.6
Pneumonia/Influenza	105	15.2	15.8	6.1	23.8	21.8	5.1	26.7	26.6	6.1
Chronic Obstructive Pulmonary Disease	40	5.0	6.8	*	12.5	11.8	*	17.5	16.0	*
Transient Cerebral Ischemia	44	2.3	1.6	*	4.5	3.4	*	4.5	5.3	*
Stroke	153	17.6	19.4	3.8	23.5	25.2	5.6	26.8	29.5	5.1
Hip Fracture	108	3.7	6.7	3.8	9.3	11.7	4.2	13.0	15.0	4.0
Sepsis	45	26.7	27.0	*	42.2	35.8	*	44.4	42.2	*
PROCEDURES:										
Angioplasty	31	0.0	2.4	*	0.0	3.2	*	3.2	4.2	*
Coronary Artery Bypass Graft	119	6.7	7.1	3.6	8.4	10.3	4.0	10.9	12.2	3.6
Initial Pacemaker Insertion	32	3.1	4.2	*	9.4	7.6	*	12.5	10.8	*
Carotid Endarterectomy	20	0.0	1.5	*	0.0	3.0	*	5.0	4.4	*
Hip Replacement/Reconstruction	56	1.8	4.6	3.8	8.9	8.5	4.4	10.7	11.1	4.2
Open Reduction of Hip Fracture	52	3.8	5.9	3.8	7.7	10.8	5.0	13.5	13.9	4.9
Prostatectomy	145	0.7	1.0	0.9	2.1	2.4	1.4	3.4	4.1	2.0
Cholecystectomy	72	4.2	3.1	2.2	8.3	5.4	3.6	9.7	6.9	4.1
Hysterectomy	23	0.0	0.4	*	4.3	0.7	*	4.3	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Roanoke
Memorial
Hospitals

January 2, 1991

An Affiliate of **CARILION** *Health System*

Medicare ID#: 490024

Health Care Financing Administration
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We have reviewed the HCFA Post Admission Mortality Data Summary for 1989. Our overall conclusion is that the data for Roanoke Memorial Hospital presented well in all areas. The observed rate for all causes of death is below the predicted rate.

For those diagnoses and procedures selected for the summary the observed rates were below or close to the predicted rates. No observed rate exceeded the confidence limit for the predicted death rate.

We will continue to use this information, as pertinent, in our review of the quality and appropriateness of services provided. We continue to believe, however, that these data are of limited value to the average consumer. We again urge that the report be presented in such a manner that inappropriate inferences will not be drawn during public review of the data.

Thank you for the opportunity to review and comment on this report.

Sincerely,

Houston L. Bell, Jr.
Chief Operating Officer

clr

Roanoke Memorial Hospitals
Belleview at Jefferson Street Post Office Box 13367 Roanoke, Virginia 24033 Telephone 703-981-7000

ROCKINGHAM MEMORIAL HOSPITAL

235 Cantrell Ave
Harrisonburg, VA 22801

Medicare Provider Number: 490004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,603	8.7	9.4	0.8	13.2	14.1	1.1	16.9	17.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	94	33.0	29.5	6.1	35.1	33.1	5.3	36.2	36.9	5.7
Congestive Heart Failure	124	14.5	14.6	4.7	24.2	22.4	4.0	30.6	29.0	4.3
Pneumonia/Influenza	143	12.6	14.5	3.6	17.5	20.1	4.7	22.4	24.5	4.6
Chronic Obstructive Pulmonary Disease	17	5.9	4.6	*	5.9	9.2	*	5.9	13.4	*
Transient Cerebral Ischemia	30	0.0	1.9	*	10.0	4.3	*	13.3	6.9	*
Stroke	108	20.4	20.1	3.9	25.9	26.5	4.6	25.9	31.1	6.2
Hip Fracture	93	4.3	5.7	2.8	11.8	10.4	4.1	17.2	13.6	5.5
Sepsis	21	4.8	23.4	*	14.3	30.2	*	19.0	36.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	0.0	2.6	*	3.8	4.9	*	3.8	7.2	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	50	0.0	3.5	*	6.0	6.9	*	10.0	9.5	*
Open Reduction of Hip Fracture	50	6.0	5.2	*	12.0	9.8	*	18.0	12.9	*
Prostatectomy	72	1.4	0.7	1.2	1.4	1.7	1.8	4.2	2.9	2.5
Cholecystectomy	45	2.2	1.6	*	2.2	2.8	*	2.2	3.7	*
Hysterectomy	17	0.0	0.3	*	11.8	0.7	*	11.8	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	255
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	109
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	0
Registered Nurses	254
Licensed Practical Nurses	91

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ROCKINGHAM MEMORIAL HOSPITAL

Medicare Provider Number: 490004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,638	10.6	9.7	0.9	15.1	14.5	0.9	18.2	18.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	100	38.0	28.1	7.0	39.0	31.6	6.1	41.0	35.3	5.8
Congestive Heart Failure	135	11.9	16.3	4.9	25.2	24.6	3.8	31.9	31.5	4.2
Pneumonia/Influenza	145	17.2	16.9	3.2	22.8	23.0	3.5	26.9	27.8	3.8
Chronic Obstructive Pulmonary Disease	15	6.7	7.1	*	20.0	13.4	*	20.0	18.9	*
Transient Cerebral Ischemia	34	0.0	1.9	*	0.0	4.1	*	0.0	6.4	*
Stroke	98	21.4	21.0	4.8	28.6	28.0	4.6	32.7	32.9	4.8
Hip Fracture	82	6.1	5.9	2.7	13.4	11.2	4.0	18.3	14.8	6.2
Sepsis	18	16.7	30.4	*	22.2	39.4	*	27.8	46.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	3.2	*	5.6	5.6	*	5.6	8.1	*
Carotid Endarterectomy	7	0.0	1.4	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	44	2.3	3.3	*	9.1	6.4	*	15.9	8.4	*
Open Reduction of Hip Fracture	52	7.7	5.3	4.7	11.5	10.4	4.3	13.5	14.0	4.9
Prostatectomy	79	2.5	0.9	1.6	3.8	2.2	2.8	7.6	3.6	3.9
Cholecystectomy	58	1.7	2.3	2.0	1.7	3.8	3.1	5.2	4.9	2.8
Hysterectomy	27	0.0	0.5	*	0.0	1.1	*	3.7	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,522	9.8	9.2	0.8	14.2	13.8	0.8	17.5	17.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	86	32.6	28.1	7.0	33.7	31.6	7.1	33.7	35.5	8.8
Congestive Heart Failure	107	18.7	16.5	4.4	27.1	25.5	4.4	30.8	32.7	5.4
Pneumonia/Influenza	134	20.9	16.3	3.5	27.6	22.2	4.5	30.6	27.1	4.1
Chronic Obstructive Pulmonary Disease	22	0.0	7.7	*	4.5	13.8	*	4.5	19.1	*
Transient Cerebral Ischemia	41	2.4	1.7	*	2.4	3.7	*	2.4	6.0	*
Stroke	96	20.8	21.5	4.8	30.2	28.0	4.8	35.4	32.7	6.2
Hip Fracture	77	7.8	5.3	3.9	13.0	9.9	5.6	15.6	13.3	5.0
Sepsis	20	15.0	25.4	*	20.0	32.8	*	25.0	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	5.9	*	13.0	11.0	*	17.4	15.6	*
Carotid Endarterectomy	9	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	38	0.0	2.9	*	5.3	5.5	*	7.9	7.5	*
Open Reduction of Hip Fracture	47	6.4	4.8	*	10.6	9.6	*	12.8	13.1	*
Prostatectomy	74	1.4	0.9	1.2	1.4	2.2	1.9	2.7	3.7	2.7
Cholecystectomy	60	1.7	3.0	3.1	5.0	5.1	4.3	5.0	6.5	3.9
Hysterectomy	19	0.0	0.1	*	0.0	0.3	*	5.3	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RUSSELL COUNTY MEDICAL CENTER

Carrol Tate Sts
Lebanon, VA 24266

Medicare Provider Number: 490002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	672	6.8	8.4	1.3	10.6	12.6	1.6	12.9	16.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	28.4	*	36.0	31.2	*	36.0	34.7	*
Congestive Heart Failure	28	21.4	16.6	*	28.6	25.6	*	32.1	32.8	*
Pneumonia/Influenza	37	5.4	17.6	*	10.8	24.4	*	13.5	29.6	*
Chronic Obstructive Pulmonary Disease	61	3.3	5.8	4.1	8.2	11.3	6.7	11.5	16.4	8.5
Transient Cerebral Ischemia	13	0.0	2.1	*	0.0	4.5	*	0.0	7.2	*
Stroke	11	45.5	27.2	*	45.5	34.2	*	45.5	39.3	*
Hip Fracture	16	0.0	7.0	*	6.3	12.4	*	18.8	16.0	*
Sepsis	10	20.0	22.0	*	30.0	28.5	*	30.0	33.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	5.7	*	14.3	10.2	*	42.9	13.2	*
Open Reduction of Hip Fracture	14	0.0	6.1	*	0.0	11.4	*	14.3	15.1	*
Prostatectomy	2	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*
Cholecystectomy	14	7.1	2.6	*	7.1	4.9	*	7.1	6.4	*
Hysterectomy	1	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	78
Occupancy Rate	73
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	30
Percent of Physicians Board Certified Specialists	60
Medical Residents/Interns	0
Registered Nurses	44
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RUSSELL COUNTY MEDICAL CENTER

Medicare Provider Number: 490002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	608	5.4	6.8	1.2	9.0	10.7	1.5	11.2	14.0	1.9
CONDITIONS:										
Acute Myocardial Infarction	18	22.2	31.1	*	22.2	34.5	*	33.3	38.3	*
Congestive Heart Failure	33	24.2	17.1	*	24.2	27.1	*	30.3	34.9	*
Pneumonia/Influenza	27	7.4	17.2	*	14.8	23.9	*	14.8	28.9	*
Chronic Obstructive Pulmonary Disease	41	0.0	4.1	*	4.9	8.2	*	7.3	12.0	*
Transient Cerebral Ischemia	9	0.0	1.7	*	0.0	3.8	*	11.1	6.1	*
Stroke	12	16.7	17.6	*	16.7	23.8	*	16.7	28.2	*
Hip Fracture	14	0.0	4.1	*	0.0	7.7	*	0.0	10.3	*
Sepsis	1	0.0	15.9	*	0.0	21.3	*	0.0	26.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	11.3	*	100.0	25.6	*	100.0	37.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.5	*	0.0	8.7	*	0.0	11.6	*
Open Reduction of Hip Fracture	7	0.0	3.4	*	0.0	6.7	*	0.0	9.3	*
Prostatectomy	9	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	6	0.0	2.9	*	0.0	5.5	*	0.0	7.2	*
Hysterectomy	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	607	6.6	8.7	1.7	9.6	13.0	1.9	13.8	16.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	30.8	*	30.8	34.1	*	30.8	38.1	*
Congestive Heart Failure	16	25.0	13.8	*	37.5	21.2	*	43.8	27.6	*
Pneumonia/Influenza	37	8.1	16.9	*	16.2	23.7	*	21.6	28.8	*
Chronic Obstructive Pulmonary Disease	40	7.5	6.4	*	10.0	13.0	*	15.0	18.8	*
Transient Cerebral Ischemia	13	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Stroke	22	31.8	28.8	*	36.4	35.6	*	36.4	40.5	*
Hip Fracture	1	0.0	3.6	*	0.0	5.9	*	0.0	7.8	*
Sepsis	2	0.0	9.1	*	0.0	13.3	*	50.0	16.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.4	*	0.0	5.8	*	0.0	7.5	*
Open Reduction of Hip Fracture	0									
Prostatectomy	6	0.0	1.3	*	0.0	3.4	*	0.0	6.1	*
Cholecystectomy	10	0.0	1.4	*	0.0	2.5	*	0.0	3.1	*
Hysterectomy	2	0.0	0.1	*	0.0	0.3	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SENTARA HAMPTON GENERAL HOSPITAL

3120 Victoria Blvd
Hampton, VA 23669

Medicare Provider Number: 490093

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,977	9.9	8.4	0.9	16.3	12.9	1.5	19.3	16.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	60	26.7	26.9	6.4	30.0	29.7	6.3	33.3	32.8	6.3
Congestive Heart Failure	96	9.4	14.7	5.7	16.7	22.5	7.2	22.9	29.0	6.4
Pneumonia/Influenza	79	21.5	14.2	6.1	25.3	19.5	6.1	25.3	23.6	7.3
Chronic Obstructive Pulmonary Disease	34	8.8	6.0	*	11.8	11.2	*	14.7	15.4	*
Transient Cerebral Ischemia	30	3.3	1.7	*	3.3	3.8	*	6.7	6.0	*
Stroke	95	20.0	17.5	6.7	26.3	24.1	8.7	31.6	28.2	8.0
Hip Fracture	31	3.2	6.8	*	12.9	12.1	*	16.1	15.6	*
Sepsis	18	44.4	30.0	*	55.6	38.2	*	55.6	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.4	*	16.7	6.4	*	16.7	9.0	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	3.4	*	0.0	4.7	*
Hip Replacement/Reconstruction	22	4.5	3.5	*	4.5	6.4	*	9.1	8.4	*
Open Reduction of Hip Fracture	19	0.0	6.0	*	15.8	11.3	*	15.8	14.8	*
Prostatectomy	47	0.0	0.6	*	4.3	1.5	*	4.3	2.6	*
Cholecystectomy	29	6.9	1.6	*	6.9	2.7	*	6.9	3.7	*
Hysterectomy	2	0.0	0.5	*	50.0	1.3	*	50.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	249
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	171
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	171
Licensed Practical Nurses	94

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

SENTARA HAMPTON GENERAL HOSPITAL

Medicare Provider Number: 490093

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,108	10.4	8.8	0.8	16.4	13.4	1.2	20.4	17.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	51	35.3	30.0	12.9	43.1	33.3	13.3	45.1	36.9	14.1
Congestive Heart Failure	115	13.9	14.5	3.4	18.3	21.7	4.6	27.8	28.2	4.2
Pneumonia/Influenza	65	20.0	17.1	4.9	23.1	23.8	5.4	27.7	28.9	5.9
Chronic Obstructive Pulmonary Disease	48	8.3	6.8	*	14.6	11.7	*	16.7	16.1	*
Transient Cerebral Ischemia	29	6.9	2.3	*	13.8	5.3	*	13.8	8.5	*
Stroke	115	20.0	20.2	5.2	31.3	27.2	7.0	38.3	32.1	8.8
Hip Fracture	32	12.5	5.6	*	18.8	10.4	*	18.8	13.6	*
Sepsis	15	26.7	23.9	*	40.0	30.3	*	46.7	35.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	4.2	*	9.1	7.0	*	13.6	9.6	*
Carotid Endarterectomy	1	0.0	0.7	*	0.0	1.2	*	0.0	1.7	*
Hip Replacement/Reconstruction	25	0.0	4.4	*	8.0	8.6	*	12.0	11.6	*
Open Reduction of Hip Fracture	12	25.0	5.2	*	33.3	10.2	*	33.3	13.6	*
Prostatectomy	64	0.0	0.8	1.6	1.6	1.9	1.8	3.1	3.2	2.2
Cholecystectomy	29	3.4	2.5	*	6.9	4.4	*	6.9	5.6	*
Hysterectomy	5	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,116	9.7	8.5	0.7	15.7	13.1	1.1	19.8	16.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	58	15.5	24.5	6.2	29.3	27.6	6.8	29.3	30.8	6.3
Congestive Heart Failure	101	14.9	15.2	3.9	27.7	22.9	5.0	39.6	29.3	7.0
Pneumonia/Influenza	58	19.0	16.0	6.2	25.9	21.6	7.5	27.6	26.1	6.6
Chronic Obstructive Pulmonary Disease	73	5.5	4.8	2.7	15.1	9.0	5.3	19.2	12.6	6.9
Transient Cerebral Ischemia	26	3.8	1.4	*	3.8	2.9	*	3.8	4.6	*
Stroke	114	14.9	20.5	5.9	20.2	26.9	7.1	24.6	31.3	6.4
Hip Fracture	38	5.3	5.4	*	7.9	10.1	*	13.2	13.4	*
Sepsis	18	33.3	26.5	*	38.9	33.0	*	50.0	38.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	3.5	*	6.7	6.4	*	6.7	9.2	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	17	0.0	3.3	*	0.0	6.7	*	11.8	9.3	*
Open Reduction of Hip Fracture	20	5.0	4.6	*	5.0	8.6	*	5.0	11.3	*
Prostatectomy	71	1.4	1.0	1.3	4.2	2.6	2.4	5.6	4.4	3.2
Cholecystectomy	18	5.6	2.8	*	5.6	4.5	*	5.6	5.5	*
Hysterectomy	14	0.0	1.9	*	0.0	3.6	*	0.0	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

299.1

SENTARA
Hampton General Hospital

3120 Victoria Boulevard
Hampton, Virginia 23669-0640
804-727-7000

January 10, 1991

Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: RESPONSE TO RELEASE OF HCFA MORTALITY DATA

Dear Mrs. Kappert:

Please find enclosed Sentara Hampton General Hospital's comments for publication regarding HCFA's release of fiscal year 1989 mortality data.

If you have any questions regarding our submittal, please contact me at (804) 727-7041.

Sincerely,

Don Gilmore

Donald V. Gilmore
Director of Medical Management

enclosure

SENTARA
Hampton General Hospital

3120 Victoria Boulevard
Hampton, Virginia 23669-0640
804-727-7000

Medicare Provider Number: 490093

SENTARA HAMPTON GENERAL HOSPITAL
COMMENTS ON THE FISCAL YEAR 1989 HCFA MORTALITY DATA

Although Sentara Hampton General Hospital's (SHGH) mortality rates compare favorably with the HCFA data for fiscal years 1989, 1988 and 1987, SHGH continues to disagree with the use of mortality data as a "quality" indicator. To draw conclusions regarding a hospital's quality based upon mortality rates alone, is to ignore the underlying medical, social and demographic factors related to death. While the data may identify differences in mortality rates, it does not explain why these differences exist and wrongfully includes deaths which occcur up to 180 days post discharge. The public release of mortality data is likely to result in unfair and erroneous conclusions about hospitals. SHGH believes that review of mortality data is useful only when accompanied by a detailed examination of the individual medical record by medically trained peers.

SHGH fully supports the notion of quality improvement. To that end, the hospital and medical staff have included mortality review in a comprehensive quality appraisal system. The respective medical staff quality appraisal subcommittees review all deaths. The review of the medical record is performed by peers in a detailed manner taking into consideration the patient's medical history, age and underlying medical condition(s) as well as the patient's wishes with respect to his or her medical management.

The severity of illness of Medicare patients treated at SHGH is approximated by HCFA's acuity index which has increased for three consecutive years. For federal fiscal years 1989, 1988 and 1987, SHGH had an assigned acuity index of 1.2753, 1.2400 and 1.2298, respectively. The average Medicare patient has a predicted acuity level of 1.0000.

Finally, of the total number of deaths HCFA shows for SHGH, 55 occurred within the first 48 hours of admission, 19 of which died in the trauma center; this may indicate patients whose acute illness was so severe that death was likely despite medical intervention. Also, 136 deaths listed by HCFA did not take place in the hospital on the admission listed, or on any subsequent admission. SHGH strongly disagrees with the inclusion of deaths that did not take place during the patient's hospitalization; it is not possible to determine if these deaths relate in any way to the medical conditions that necessitated prior hospitalization.

SENTARA LEIGH HOSPITAL

830 Kempsville Rd
Norfolk, VA 23507

Medicare Provider Number: 490046

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,568	8.2	7.1	0.9	12.2	11.4	0.9	15.7	14.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	60	16.7	23.6	7.9	18.3	26.5	8.6	21.7	29.7	9.0
Congestive Heart Failure	97	17.5	13.3	5.1	22.7	20.5	5.4	26.8	26.9	4.5
Pneumonia/Influenza	64	14.1	16.7	6.6	20.3	23.3	8.7	26.6	28.3	7.7
Chronic Obstructive Pulmonary Disease	49	12.2	6.1	*	12.2	11.3	*	14.3	16.1	*
Transient Cerebral Ischemia	31	0.0	1.8	*	0.0	4.2	*	0.0	6.9	*
Stroke	74	16.2	19.0	7.0	21.6	25.4	7.2	25.7	29.8	8.4
Hip Fracture	51	2.0	5.5	4.9	5.9	9.8	5.7	11.8	12.7	4.9
Sepsis	24	25.0	23.7	*	33.3	31.2	*	45.8	37.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	5.1	*	0.0	6.3	*	0.0	7.9	*
Initial Pacemaker Insertion	13	0.0	1.6	*	0.0	3.5	*	7.7	5.3	*
Carotid Endarterectomy	24	4.2	1.1	*	4.2	2.0	*	4.2	2.8	*
Hip Replacement/Reconstruction	94	0.0	1.5	*	1.1	2.6	*	1.1	3.4	*
Open Reduction of Hip Fracture	28	3.6	5.3	*	10.7	9.8	*	14.3	12.9	*
Prostatectomy	46	2.2	0.7	*	6.5	1.8	*	8.7	3.0	*
Cholecystectomy	57	1.8	4.0	2.8	3.5	6.3	3.5	7.0	7.8	3.7
Hysterectomy	18	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	250
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	726
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	248
Licensed Practical Nurses	38

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SENTARA LEIGH HOSPITAL
Medicare Provider Number: 490046

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,471	8.5	7.6	0.8	13.3	11.9	0.9	16.4	15.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	73	24.7	23.4	5.4	28.8	26.5	6.0	30.1	29.8	5.6
Congestive Heart Failure	88	14.8	15.4	4.3	33.0	23.7	6.5	38.6	30.4	8.0
Pneumonia/Influenza	77	13.0	16.5	5.6	22.1	22.8	5.1	24.7	27.6	5.7
Chronic Obstructive Pulmonary Disease	44	15.9	8.1	*	18.2	14.0	*	22.7	19.1	*
Transient Cerebral Ischemia	40	0.0	2.0	*	5.0	4.5	*	7.5	7.1	*
Stroke	71	18.3	19.5	4.8	21.1	26.2	6.0	21.1	30.8	9.0
Hip Fracture	55	5.5	5.8	3.2	9.1	10.7	4.6	9.1	13.9	6.2
Sepsis	10	40.0	25.8	*	40.0	32.6	*	70.0	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	3.7	*	28.6	7.9	*	28.6	11.7	*
Carotid Endarterectomy	26	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	92	5.4	2.0	2.7	5.4	3.8	2.2	6.5	5.1	2.5
Open Reduction of Hip Fracture	32	3.1	4.9	*	9.4	9.4	*	9.4	12.5	*
Prostatectomy	64	1.6	0.9	1.3	3.1	2.3	2.1	4.7	3.7	2.6
Cholecystectomy	45	2.2	3.0	*	6.7	4.9	*	6.7	6.2	*
Hysterectomy	18	0.0	0.3	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,367	8.0	7.2	1.0	12.0	11.3	0.9	15.0	14.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	47	34.0	28.3	*	44.7	31.8	*	46.8	35.3	*
Congestive Heart Failure	85	23.5	16.0	5.7	28.2	24.4	5.3	32.9	31.2	5.2
Pneumonia/Influenza	82	18.3	14.9	4.6	19.5	20.4	4.7	23.2	24.9	4.9
Chronic Obstructive Pulmonary Disease	41	12.2	7.3	*	24.4	13.2	*	29.3	18.5	*
Transient Cerebral Ischemia	45	0.0	1.6	*	2.2	3.3	*	2.2	5.1	*
Stroke	72	26.4	20.0	7.4	30.6	26.5	6.4	33.3	31.0	5.8
Hip Fracture	46	2.2	5.8	*	4.3	10.4	*	6.5	13.5	*
Sepsis	10	20.0	31.7	*	40.0	41.1	*	40.0	47.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	2.5	*	7.7	5.5	*	7.7	8.5	*
Carotid Endarterectomy	23	0.0	1.2	*	0.0	2.1	*	4.3	3.0	*
Hip Replacement/Reconstruction	97	2.1	1.6	1.4	4.1	2.9	2.4	4.1	3.8	2.4
Open Reduction of Hip Fracture	22	4.5	5.8	*	4.5	11.0	*	4.5	14.5	*
Prostatectomy	63	3.2	1.0	2.2	4.8	2.2	2.9	4.8	3.6	3.2
Cholecystectomy	32	0.0	1.9	*	0.0	3.4	*	3.1	4.6	*
Hysterectomy	17	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

301.1

SENTARA
Leigh Hospital

830 Kempsville Road
Norfolk, Virginia 23502
804-466-6000

HOSPITAL ID 490046

COMMENTS ON THE HCFA MEDICARE MORTALITY INFORMATION

DATA VERIFICATION:

The data used by HCFA indicates a total of 2568 Medicare patients whose last discharge between October 1, 1988 and September 30, 1989 were from Sentara Leigh Hospital. Of this total, 403 patients died within 180 days of admission to the hospital. However, of those 403 deaths, only 176 (43.7%) died while still a patient of the hospital, while 227 (56.3%) died after discharge.

Sentara Leigh Hospital is unable to verify the death of those 227 patients listed as expiring after discharge as such information is not included in the patient's medical record. It is undetermined whether these deaths in any way relate to the conditions for which the patient was treated at Sentara Leigh Hospital.

Of those 176 patients who expired while a patient of the hospital, 22 (12.5%) expired within the first 24 hours of admission. The overall mortality rate for those patients who expired while a patient of the hospital is 6.85%.

The Sentara Leigh Hospital observed mortality rate exceeded the predicted rate in six categories:

1) Congestive Heart Failure: Of the 26 total deaths, 16 patients (61.5%) died while a patient of the hospital, while 10 patients (38.4%) died after discharge. At a 95% confidence level, the upper range of the predicted mortality rate at 30 days is 13.3 - 23.4%. Sentara Leigh Hospital is within this range. The upper range of the predicted mortality rate at 90 days is 20.5 - 31.2%. Sentara Leigh Hospital is within this range. Sentara Leigh Hospital is below the predicted rate at 180 days.

2) Chronic Obstructive Pulmonary Disease: Of the 7 total deaths, 5 patients (71.4%) died while a patient of the hospital, while 2 patients (28.6%) expired after discharge.

3) Sepsis: Of the 10 total deaths, 6 patients (60%) expired while a patient of the hospital, while 4 patients (40%) died after discharge.

4) Carotid Endarterectomy: There was only one death in this category.

5) Open Reduction of Hip Fracture: Of the 4 total deaths, only 1 patient (25%) died while a patient of the hospital, while 3 patients (75%) expired after discharge.

6) Prostatectomy: Of the 4 total deaths, only 1 patient (25%) expired while a patient of the hospital, while 3 patients (75%) died after discharge.

It is noted that for the categories of Chronic Obstructive Pulmonary Disease, Sepsis, Carotid Endarterectomy, Open Reduction of Hip Fracture, and Prostatectomy, the standard deviation of the predicted rate was not reported due to the small number of deaths in these categories.

The 1989 Mortality Report reflects one case under the category of coronary artery bypass graft. Sentara Leigh Hospital does not offer this service. After investigation, it was determined that this patient was a patient at Sentara Norfolk General Hospital not Sentara Leigh Hospital.

In summary, for all cases, at a 95% confidence level, the upper range of the predicted mortality rate at 30 days is 7.1-8.9%. The upper range of the predicted mortality rate at 90 days is 11.4-13.2%. The upper range of the predicted mortality rate at 180 days is 14.9-16.7%. Sentara Leigh Hospital's observed mortality rate is within the bounds calculated for the 95% prediction interval.

INTERPRETIVE REMARKS:

Sentara Leigh Hospital continues to question the pertinence of this reported data especially in classifying and attributing responsibility for those deaths occurring outside of the hospital.

Sentara Leigh Hospital offers medical, surgical, and emergency services to acutely ill patients in the Hampton Roads area, and receives referrals from a wide geographic area including the Eastern Shore of Virginia, other Virginia localities, and Northeastern North Carolina. The severity of illness of those patients treated at this facility is recognized by HCFA in our assigned acuity index of 1.2791 in Federal Fiscal Year 1989, 1.2477 in Federal Fiscal Year 1988, and 1.2298 in Federal Fiscal Year 1987. The average Medicare patient has a predicted acuity level of 1.0.

As part of the Medical Staff Quality Assurance Program for Sentara Leigh Hospital, all hospital deaths are reviewed within the respective medical staff departments on a monthly basis.

Sentara Leigh Hospital is unable to respond to information reported for FY 1988 and FY 1987 since the published categories are different from those reported in prior years, and Sentara Leigh Hospital did not receive supporting documentation for 1988 and 1987 which would enable the hospital to verify that data. However, the Sentara Leigh Hospital observed mortality rate for all categories is within the upper range calculated for the 95% prediction interval.

SENTARA NORFOLK GENERAL HOSPITAL

600 Gresham Dr
Norfolk, VA 23507

Medicare Provider Number: 490007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,416	7.3	8.1	0.6	11.9	12.7	0.7	15.0	16.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	144	15.3	23.0	5.0	18.1	26.8	5.5	20.1	30.6	6.2
Congestive Heart Failure	145	12.4	13.8	4.1	15.9	20.8	5.9	20.7	27.2	7.6
Pneumonia/Influenza	59	11.9	16.9	8.1	20.3	23.1	8.1	27.1	28.0	5.9
Chronic Obstructive Pulmonary Disease	46	2.2	7.2	*	10.9	12.4	*	15.2	17.0	*
Transient Cerebral Ischemia	70	4.3	1.9	3.3	7.1	4.2	4.8	7.1	6.7	4.9
Stroke	160	19.4	21.2	3.7	26.2	27.3	3.6	28.1	31.6	4.7
Hip Fracture	42	7.1	6.0	*	11.9	10.6	*	11.9	13.8	*
Sepsis	27	29.6	27.6	*	44.4	35.3	*	51.9	41.2	*
PROCEDURES:										
Angioplasty	130	1.5	3.0	2.4	2.3	4.4	3.1	3.1	5.8	3.8
Coronary Artery Bypass Graft	261	4.6	6.6	2.4	6.9	9.8	2.5	9.2	11.8	2.5
Initial Pacemaker Insertion	29	0.0	2.4	*	0.0	5.0	*	0.0	7.8	*
Carotid Endarterectomy	40	2.5	1.5	*	5.0	2.9	*	5.0	4.4	*
Hip Replacement/Reconstruction	34	0.0	2.9	*	0.0	5.8	*	0.0	8.1	*
Open Reduction of Hip Fracture	28	10.7	5.7	*	17.9	10.5	*	17.9	13.9	*
Prostatectomy	76	0.0	1.2	*	1.3	3.0	*	1.3	5.0	*
Cholecystectomy	40	7.5	3.4	*	7.5	5.9	*	10.0	7.7	*
Hysterectomy	11	0.0	2.1	*	0.0	4.3	*	0.0	6.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	598
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	726
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	832
Licensed Practical Nurses	168

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

SENTARA NORFOLK GENERAL HOSPITAL

Medicare Provider Number: 490007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,142	8.9	8.6	0.5	13.6	13.1	0.8	16.8	16.7	0.6
CONDITIONS:										
Acute Myocardial Infarction	126	26.2	23.5	4.3	27.8	27.1	4.0	29.4	30.9	4.2
Congestive Heart Failure	146	16.4	16.8	3.1	26.0	25.0	3.7	32.2	31.9	3.9
Pneumonia/Influenza	68	20.6	16.8	9.6	29.4	23.1	9.4	30.9	27.9	6.9
Chronic Obstructive Pulmonary Disease	34	11.8	7.3	*	20.6	12.5	*	20.6	17.1	*
Transient Cerebral Ischemia	52	3.8	1.9	4.2	5.8	3.8	5.7	9.6	5.8	6.6
Stroke	160	19.4	23.5	7.1	25.0	29.6	7.3	29.4	34.1	7.0
Hip Fracture	54	1.9	6.0	4.9	9.3	11.1	6.0	11.1	14.6	6.6
Sepsis	20	40.0	34.3	*	50.0	40.7	*	50.0	46.6	*
PROCEDURES:										
Angioplasty	96	4.2	3.1	2.0	4.2	4.1	2.1	5.2	5.3	2.3
Coronary Artery Bypass Graft	265	6.0	7.6	2.3	8.3	10.8	2.6	11.3	12.7	2.3
Initial Pacemaker Insertion	6	0.0	2.9	*	0.0	5.7	*	0.0	8.2	*
Carotid Endarterectomy	38	0.0	1.8	*	0.0	3.6	*	10.5	5.2	*
Hip Replacement/Reconstruction	29	0.0	4.0	*	6.9	8.0	*	13.8	11.0	*
Open Reduction of Hip Fracture	25	4.0	5.5	*	16.0	10.6	*	16.0	14.1	*
Prostatectomy	89	0.0	1.4	2.0	2.2	3.4	2.5	4.5	5.7	3.3
Cholecystectomy	35	2.9	4.0	*	2.9	7.1	*	5.7	9.3	*
Hysterectomy	18	5.6	4.1	*	5.6	6.7	*	5.6	8.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,128	8.9	8.1	0.7	13.8	12.7	1.0	17.1	16.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	105	25.7	26.3	4.6	31.4	30.0	5.0	33.3	33.8	4.6
Congestive Heart Failure	149	12.8	14.8	4.6	20.8	22.0	4.1	27.5	28.3	3.8
Pneumonia/Influenza	71	19.7	17.1	5.1	22.5	22.8	5.1	25.4	27.5	5.9
Chronic Obstructive Pulmonary Disease	41	17.1	9.5	*	26.8	16.1	*	36.6	20.9	*
Transient Cerebral Ischemia	66	7.6	2.1	2.7	12.1	4.7	4.6	19.7	7.6	5.5
Stroke	136	22.8	23.0	4.0	32.4	29.5	5.6	37.5	34.0	7.9
Hip Fracture	57	12.3	7.3	7.5	17.5	13.1	8.7	19.3	16.9	9.3
Sepsis	24	20.8	29.7	*	41.7	37.1	*	45.8	43.2	*
PROCEDURES:										
Angioplasty	83	7.2	3.2	2.9	9.6	4.2	3.3	9.6	5.5	3.1
Coronary Artery Bypass Graft	244	7.8	5.3	2.6	11.5	7.9	2.9	12.3	9.6	2.6
Initial Pacemaker Insertion	50	4.0	3.3	*	12.0	6.1	*	12.0	8.7	*
Carotid Endarterectomy	44	0.0	1.7	*	0.0	3.3	*	2.3	4.9	*
Hip Replacement/Reconstruction	22	0.0	2.2	*	0.0	3.9	*	0.0	5.2	*
Open Reduction of Hip Fracture	39	7.7	6.7	*	15.4	12.5	*	15.4	16.4	*
Prostatectomy	82	2.4	1.0	1.6	3.7	2.5	2.0	3.7	4.3	2.7
Cholecystectomy	25	0.0	2.8	*	0.0	5.0	*	4.0	6.5	*
Hysterectomy	17	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL I.D. 490007

SENTARA NORFOLK GENERAL HOSPITAL
HEALTH CARE FINANCE ADMINISTRATION
MEDICARE HOSPITAL MORTALITY DATA

COMMENTS

DATA VERIFICATION:

The data utilized by HCFA indicates that during the time period of October 1, 1988 through September 30, 1989, there were a total of 4,416 Medicare patients whose last discharge was from Sentara Norfolk General Hospital. Of this total, 860 patients expired within 180 days of admission to the hospital. However, of these 860 deaths, only 300 (34.8%) expired while still a patient of the hospital, while 560 (65.2%) expired after discharge or during a subsequent admission, not selected for review during this time frame.

Of those 560 patients 147 (26.2%) expired on a subsequent hospital admission and 417 (74.4%) expired after discharge. Subsequent admissions were not identified by HCFA in the material provided for review.

Sentara Norfolk General Hospital is unable to verify the cause of death of those 417 patients listed as expiring after discharge. It remains undetermined whether these deaths in any way relate to the conditions for which the patient was treated while at Sentara Norfolk General Hospital. The inpatient medical record does not contain information relating to the patient's death if the death occurs after discharge.

Of those 300 patients who expired while a patient of the hospital, 52 patients (17.3%) expired within the first 24 hours of admission and 13 patients (4.3%) expired on the day of admission. The overall mortality rate for those patients who expired while a patient of the hospital is 6.79%.

The Sentara Norfolk General Hospital observed mortality rate exceeded the predicted rate in six categories. However, only one category - Transient Cerebral Ischemia was deemed large enough to permit satisfactory estimation of statistical significance:

1) **Transient Cerebral Ischemia:** Of the 5 total deaths, 4 patients (80%) expired while a patient of the hospital, while 1 patient (20%) expired after discharge. It should be noted that the observed mortality in this category falls well within the projected range of mortality when the standard deviation is applied.

page two cont'd
HOSPITAL I.D. 490007

The following conditions had so few cases included in the sample size, that statistical significance could not be measured.

2) **Hip Fracture:** Of the 6 total deaths, 3 patients (50%) expired while a patient of the hospital, while 3 patients (50.0%) expired after discharge. This category, as well as the "Open Reduction of Hip Fracture" category has duplicate patient information. There were five cases in which the patient had both the hip fracture diagnosis and the open reduction of hip fracture procedure. The deaths are recorded twice; one per category.

3) **Sepsis:** Of the 15 total deaths, 7 patients (46.6%) expired while a patient of the hospital, while 8 patients (53.4%) expired after discharge.

4) **Carotid Endartectomy:** Of the 4 total deaths only 1 patient expired while a patient in the hospital while 3 patients (75%) expired after discharge.

5) **Open Reduction of Hip Fracture:** Of the 4 total deaths, only 1 patient (25%) expired while a patient of the hospital, while 3 patients (75%) expired after discharge.

6) **Cholecystectomy:** Of the 4 total deaths, 3 patients (75%) expired while a patient of the hospital, while 1 patient (25%) expired after discharge.

It is noted that for the following categories: Hip Fracture, Sepsis, Carotid Endarterectomy, Open Reduction of Hip Fracture, and Cholecystectomy, the standard deviation of the predicted rate was not reported due to the small number of deaths in these categories. The validity of the predicted mortality data therefore can not be determined.

The 1989 Mortality Report reflects three (3) deaths which are attributed to Sentara Norfolk General Hospital. This hospital has no record of these patients having expired while in our facility.

INTERPRETIVE REMARKS:

Sentara Norfolk General Hospital mortality rates compared favorably in 1988 and 1987 with the data supplied by HCFA. In depth analysis is not possible as the data detail for these years was not provided. Sentara Norfolk General Hospital continues to question the pertinence of this reported data especially in classifying and attributing responsibility for those deaths occurring outside of the hospital. Sentara Norfolk General

SHENANDOAH COUNTY MEMORIAL HOSPITAL

P O Box 508
Woodstock, VA 22664

Medicare Provider Number: 490006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	707	9.5	9.5	1.3	13.2	14.0	1.5	17.0	17.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	26	30.8	27.6	*	34.6	31.4	*	34.6	35.3	*
Congestive Heart Failure	31	19.4	15.2	*	25.8	24.0	*	29.0	31.2	*
Pneumonia/Influenza	60	13.3	15.7	6.4	16.7	21.4	7.2	25.0	25.8	6.3
Chronic Obstructive Pulmonary Disease	12	8.3	4.7	*	8.3	9.3	*	8.3	13.7	*
Transient Cerebral Ischemia	11	0.0	2.2	*	0.0	5.3	*	9.1	8.6	*
Stroke	22	18.2	22.5	*	31.8	30.3	*	31.8	35.3	*
Hip Fracture	26	19.2	6.6	*	23.1	11.5	*	23.1	14.7	*
Sepsis	22	22.7	28.7	*	27.3	35.2	*	31.8	41.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	6.7	4.5	*	6.7	7.8	*	6.7	9.9	*
Open Reduction of Hip Fracture	14	21.4	5.5	*	28.6	10.2	*	28.6	13.5	*
Prostatectomy	29	0.0	0.8	*	0.0	1.7	*	0.0	2.9	*
Cholecystectomy	17	23.5	5.7	*	23.5	9.7	*	23.5	12.1	*
Hysterectomy	3	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	129
Occupancy Rate	49
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	95
Medical Residents/Interns	0
Registered Nurses	74
Licensed Practical Nurses	51

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SHENANDOAH COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 490006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	620	9.5	10.0	1.4	13.7	15.0	1.8	18.1	18.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	33	33.3	25.8	*	33.3	29.1	*	39.4	32.9	*
Congestive Heart Failure	36	11.1	15.3	*	13.9	23.0	*	19.4	29.7	*
Pneumonia/Influenza	50	8.0	14.0	*	14.0	19.3	*	16.0	23.6	*
Chronic Obstructive Pulmonary Disease	13	7.7	7.8	*	7.7	13.8	*	7.7	19.0	*
Transient Cerebral Ischemia	6	16.7	1.9	*	16.7	4.1	*	16.7	6.5	*
Stroke	18	27.8	22.1	*	44.4	28.3	*	50.0	32.8	*
Hip Fracture	29	10.3	6.8	*	10.3	12.5	*	13.8	16.4	*
Sepsis	11	9.1	31.7	*	36.4	39.2	*	54.5	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	4.4	*	0.0	8.2	*	0.0	10.9	*
Open Reduction of Hip Fracture	18	11.1	6.3	*	11.1	12.2	*	11.1	16.4	*
Prostatectomy	24	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	13	0.0	2.6	*	0.0	5.2	*	0.0	7.3	*
Hysterectomy	1	0.0	0.0	*	0.0	0.1	*	0.0	0.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	643	10.3	10.7	1.3	15.6	15.6	1.6	18.4	19.6	2.4
CONDITIONS:										
Acute Myocardial Infarction	32	37.5	30.9	*	43.8	34.8	*	43.8	38.8	*
Congestive Heart Failure	44	6.8	15.5	*	11.4	23.3	*	18.2	29.9	*
Pneumonia/Influenza	44	18.2	18.7	*	20.5	25.9	*	25.0	31.4	*
Chronic Obstructive Pulmonary Disease	7	14.3	5.0	*	14.3	10.0	*	14.3	14.5	*
Transient Cerebral Ischemia	7	0.0	2.5	*	14.3	5.7	*	28.6	9.3	*
Stroke	40	17.5	20.2	*	22.5	26.5	*	25.0	31.3	*
Hip Fracture	11	9.1	6.0	*	9.1	10.5	*	18.2	13.8	*
Sepsis	6	33.3	21.3	*	33.3	28.4	*	33.3	34.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	2.9	*	12.5	5.3	*	12.5	7.1	*
Open Reduction of Hip Fracture	6	0.0	5.6	*	0.0	10.0	*	0.0	13.0	*
Prostatectomy	16	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*
Cholecystectomy	14	0.0	2.5	*	0.0	4.2	*	7.1	5.3	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SMYTH COUNTY COMMUNITY HOSPITAL

Park Blvd
Marion, VA 24354

Medicare Provider Number: 490038

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,076	11.6	10.1	1.6	15.5	14.9	1.9	19.4	18.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	57	29.8	24.2	9.0	33.3	27.2	8.8	33.3	30.5	7.8
Congestive Heart Failure	61	8.2	13.6	5.4	13.1	21.8	7.2	27.9	28.7	5.8
Pneumonia/Influenza	90	15.6	15.6	4.5	21.1	21.2	4.4	24.4	25.7	5.0
Chronic Obstructive Pulmonary Disease	10	10.0	6.6	*	10.0	11.7	*	20.0	16.3	*
Transient Cerebral Ischemia	16	0.0	1.9	*	0.0	4.2	*	0.0	6.8	*
Stroke	48	18.8	18.5	*	20.8	25.3	*	25.0	29.7	*
Hip Fracture	21	9.5	5.5	*	9.5	10.2	*	14.3	13.6	*
Sepsis	6	50.0	31.4	*	66.7	38.9	*	66.7	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.6	*	0.0	6.7	*	0.0	9.4	*
Carotid Endarterectomy	10	0.0	1.7	*	10.0	3.7	*	10.0	5.6	*
Hip Replacement/Reconstruction	5	0.0	5.0	*	20.0	9.4	*	20.0	12.3	*
Open Reduction of Hip Fracture	14	7.1	5.4	*	7.1	10.6	*	14.3	14.3	*
Prostatectomy	46	2.2	1.0	*	4.3	2.5	*	10.9	4.3	*
Cholecystectomy	28	3.6	2.4	*	3.6	4.3	*	3.6	5.6	*
Hysterectomy	4	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	176
Occupancy Rate	43
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	32
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SMYTH COUNTY COMMUNITY HOSPITAL

Medicare Provider Number: 490038

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,125	11.3	9.5	1.2	16.1	13.9	1.5	19.0	17.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	60	38.3	29.6	8.3	41.7	33.0	7.4	41.7	36.7	6.7
Congestive Heart Failure	52	23.1	14.8	6.8	34.6	22.3	10.2	42.3	28.7	11.1
Pneumonia/Influenza	94	16.0	15.3	6.6	25.5	20.4	8.1	28.7	24.5	6.7
Chronic Obstructive Pulmonary Disease	13	23.1	4.1	*	23.1	7.3	*	23.1	10.2	*
Transient Cerebral Ischemia	11	0.0	1.8	*	0.0	4.0	*	9.1	6.3	*
Stroke	36	33.3	20.3	*	38.9	26.9	*	41.7	31.5	*
Hip Fracture	26	3.8	5.2	*	11.5	9.8	*	19.2	13.1	*
Sepsis	4	25.0	29.1	*	25.0	38.6	*	25.0	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	6.8	*	0.0	12.1	*	0.0	16.8	*
Carotid Endarterectomy	4	0.0	1.8	*	0.0	3.5	*	0.0	5.3	*
Hip Replacement/Reconstruction	9	0.0	3.0	*	11.1	6.2	*	11.1	8.5	*
Open Reduction of Hip Fracture	15	6.7	4.7	*	13.3	9.2	*	26.7	12.6	*
Prostatectomy	44	2.3	0.9	*	4.5	2.3	*	6.8	3.9	*
Cholecystectomy	32	0.0	3.5	*	6.3	6.3	*	6.3	8.1	*
Hysterectomy	6	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,099	9.0	9.1	0.9	13.6	13.7	1.3	16.8	17.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	56	23.2	27.2	6.5	25.0	30.3	7.4	25.0	33.8	8.8
Congestive Heart Failure	61	14.8	13.7	4.5	26.2	21.0	7.5	34.4	27.6	8.7
Pneumonia/Influenza	86	9.3	14.8	7.7	16.3	20.0	6.9	20.9	24.6	6.6
Chronic Obstructive Pulmonary Disease	13	15.4	9.2	*	23.1	15.8	*	23.1	21.7	*
Transient Cerebral Ischemia	17	5.9	1.9	*	5.9	4.3	*	5.9	6.9	*
Stroke	31	12.9	19.9	*	16.1	26.5	*	22.6	31.0	*
Hip Fracture	32	12.5	5.5	*	18.8	10.0	*	21.9	13.0	*
Sepsis	4	50.0	25.0	*	50.0	35.1	*	50.0	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	7.7	*	33.3	17.1	*	66.7	25.0	*
Carotid Endarterectomy	3	0.0	1.9	*	0.0	3.8	*	33.3	5.8	*
Hip Replacement/Reconstruction	16	0.0	5.3	*	6.3	9.8	*	6.3	12.7	*
Open Reduction of Hip Fracture	19	15.8	4.2	*	21.1	8.1	*	26.3	10.9	*
Prostatectomy	44	0.0	1.0	*	0.0	2.1	*	0.0	3.3	*
Cholecystectomy	36	2.8	2.6	*	5.6	4.7	*	5.6	6.1	*
Hysterectomy	12	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTHAMPTON MEMORIAL HOSPITAL

100 Fairview Dr
Franklin, VA 23851

Medicare Provider Number: 490092

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	771	7.7	8.8	1.5	11.3	13.0	2.1	14.5	16.5	2.4
CONDITIONS:										
Acute Myocardial Infarction	21	33.3	31.9	*	33.3	35.5	*	33.3	38.7	*
Congestive Heart Failure	46	10.9	15.7	*	19.6	23.3	*	30.4	30.1	*
Pneumonia/Influenza	33	24.2	17.8	*	30.3	23.9	*	36.4	28.8	*
Chronic Obstructive Pulmonary Disease	16	0.0	5.8	*	12.5	11.0	*	18.8	15.8	*
Transient Cerebral Ischemia	8	0.0	1.5	*	0.0	3.3	*	0.0	5.1	*
Stroke	34	32.4	24.0	*	38.2	30.9	*	38.2	35.6	*
Hip Fracture	20	0.0	5.4	*	0.0	9.8	*	0.0	12.9	*
Sepsis	11	18.2	27.5	*	27.3	35.1	*	36.4	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.3	*	0.0	2.9	*	0.0	4.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	2.1	*	0.0	4.0	*	0.0	5.5	*
Open Reduction of Hip Fracture	9	0.0	5.1	*	0.0	9.6	*	0.0	12.7	*
Prostatectomy	13	0.0	0.9	*	0.0	2.1	*	7.7	3.5	*
Cholecystectomy	16	0.0	3.2	*	0.0	5.6	*	0.0	6.7	*
Hysterectomy	5	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	214
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	37
Licensed Practical Nurses	48

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOUTHAMPTON MEMORIAL HOSPITAL

Medicare Provider Number: 490092

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	724	10.5	10.5	1.1	14.8	15.6	1.5	18.2	19.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	30	26.7	31.8	*	30.0	35.5	*	33.3	39.2	*
Congestive Heart Failure	44	18.2	19.2	*	29.5	28.1	*	38.6	35.6	*
Pneumonia/Influenza	28	21.4	19.6	*	25.0	26.3	*	32.1	31.5	*
Chronic Obstructive Pulmonary Disease	9	22.2	11.5	*	22.2	18.0	*	44.4	23.7	*
Transient Cerebral Ischemia	14	0.0	2.0	*	0.0	4.1	*	0.0	6.3	*
Stroke	36	33.3	25.2	*	33.3	32.6	*	41.7	37.9	*
Hip Fracture	17	17.6	9.0	*	29.4	15.8	*	29.4	19.9	*
Sepsis	7	14.3	26.1	*	28.6	34.1	*	42.9	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.6	*	50.0	3.3	*	50.0	5.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	7.5	*	33.3	14.2	*	33.3	18.0	*
Open Reduction of Hip Fracture	7	14.3	10.1	*	14.3	18.3	*	14.3	23.6	*
Prostatectomy	11	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	11	9.1	1.5	*	9.1	2.9	*	9.1	4.0	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	697	10.2	10.2	1.2	14.6	15.0	1.4	17.8	19.1	1.9
CONDITIONS:										
Acute Myocardial Infarction	30	23.3	30.8	*	30.0	34.1	*	30.0	37.3	*
Congestive Heart Failure	46	6.5	18.4	*	10.9	26.3	*	15.2	33.1	*
Pneumonia/Influenza	34	17.6	15.9	*	20.6	21.5	*	23.5	26.2	*
Chronic Obstructive Pulmonary Disease	6	16.7	16.9	*	16.7	26.2	*	16.7	32.7	*
Transient Cerebral Ischemia	17	0.0	2.2	*	0.0	4.7	*	5.9	7.4	*
Stroke	41	29.3	21.4	*	36.6	27.3	*	36.6	31.8	*
Hip Fracture	15	0.0	7.9	*	6.7	13.8	*	6.7	17.5	*
Sepsis	9	33.3	27.8	*	55.6	37.6	*	55.6	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.5	*	0.0	6.6	*	0.0	8.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	8.2	*	20.0	15.1	*	20.0	19.2	*
Open Reduction of Hip Fracture	10	0.0	6.4	*	0.0	11.8	*	0.0	15.3	*
Prostatectomy	13	0.0	1.1	*	7.7	2.7	*	7.7	4.7	*
Cholecystectomy	5	0.0	1.9	*	0.0	2.8	*	0.0	3.6	*
Hysterectomy	1	0.0	0.0	*	0.0	0.1	*	0.0	0.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SOUTHSIDE COMMUNITY HOSPITAL

800 Oak St
Farmville, VA 23901

Medicare Provider Number: 490090

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	982	11.4	9.8	1.5	16.2	14.7	1.8	20.1	18.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	33	24.2	26.8	*	27.3	30.3	*	33.3	33.9	*
Congestive Heart Failure	52	11.5	15.1	6.5	19.2	23.4	9.3	21.2	30.5	10.9
Pneumonia/Influenza	75	24.0	14.8	6.9	28.0	20.4	6.9	29.3	24.6	6.2
Chronic Obstructive Pulmonary Disease	6	0.0	13.4	*	16.7	23.4	*	16.7	32.0	*
Transient Cerebral Ischemia	13	0.0	2.4	*	0.0	5.5	*	7.7	9.0	*
Stroke	33	39.4	22.0	*	45.5	29.0	*	51.5	33.6	*
Hip Fracture	25	16.0	5.4	*	20.0	9.6	*	24.0	12.4	*
Sepsis	3	33.3	31.3	*	66.7	40.9	*	66.7	48.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	0.8	*	0.0	1.7	*	0.0	2.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	22.2	4.1	*	22.2	7.7	*	22.2	10.3	*
Open Reduction of Hip Fracture	17	5.9	5.0	*	11.8	9.3	*	17.6	12.2	*
Prostatectomy	72	5.6	0.9	3.4	5.6	2.2	2.3	6.9	3.8	3.0
Cholecystectomy	26	19.2	5.8	*	19.2	9.9	*	19.2	12.2	*
Hysterectomy	6	16.7	0.9	*	16.7	2.1	*	16.7	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	118
Occupancy Rate	57
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	28
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	51
Licensed Practical Nurses	56

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOUTHSIDE COMMUNITY HOSPITAL

Medicare Provider Number: 490090

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,036	10.4	8.8	1.1	16.4	13.6	1.6	20.8	17.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	33	24.2	25.8	*	27.3	29.0	*	33.3	32.5	*
Congestive Heart Failure	75	13.3	15.5	4.7	25.3	23.1	5.4	30.7	29.6	5.3
Pneumonia/Influenza	46	21.7	16.7	*	32.6	22.8	*	32.6	27.1	*
Chronic Obstructive Pulmonary Disease	17	17.6	10.6	*	17.6	16.3	*	29.4	21.6	*
Transient Cerebral Ischemia	13	0.0	2.6	*	0.0	6.0	*	7.7	9.6	*
Stroke	27	14.8	21.6	*	37.0	27.6	*	37.0	31.9	*
Hip Fracture	30	6.7	6.8	*	16.7	12.1	*	30.0	15.4	*
Sepsis	6	50.0	31.1	*	66.7	39.4	*	66.7	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.3	*	0.0	6.5	*	0.0	8.9	*
Open Reduction of Hip Fracture	25	8.0	6.3	*	20.0	11.7	*	28.0	15.2	*
Prostatectomy	94	2.1	1.1	1.4	3.2	2.7	2.2	5.3	4.5	3.0
Cholecystectomy	33	3.0	3.4	*	9.1	6.2	*	12.1	8.1	*
Hysterectomy	9	0.0	1.1	*	11.1	2.0	*	11.1	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,020	9.8	9.0	1.3	16.1	13.5	2.1	19.3	17.2	2.2
CONDITIONS:										
Acute Myocardial Infarction	31	22.6	28.6	*	29.0	31.9	*	32.3	35.5	*
Congestive Heart Failure	51	17.6	17.7	5.6	27.5	26.2	6.3	31.4	33.3	7.2
Pneumonia/Influenza	65	13.8	16.2	6.2	21.5	22.0	5.2	21.5	26.9	6.7
Chronic Obstructive Pulmonary Disease	14	14.3	9.3	*	14.3	16.1	*	21.4	21.9	*
Transient Cerebral Ischemia	7	0.0	2.0	*	0.0	4.5	*	0.0	7.1	*
Stroke	30	30.0	21.1	*	36.7	27.9	*	40.0	32.5	*
Hip Fracture	30	10.0	6.8	*	13.3	12.3	*	26.7	16.3	*
Sepsis	8	12.5	27.9	*	12.5	34.2	*	12.5	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.8	*	0.0	3.2	*	0.0	4.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	3.8	*	0.0	7.7	*	0.0	10.6	*
Open Reduction of Hip Fracture	20	10.0	6.8	*	15.0	13.1	*	35.0	17.6	*
Prostatectomy	85	2.4	1.1	1.4	5.9	2.6	2.7	8.2	4.3	3.6
Cholecystectomy	26	7.7	3.5	*	11.5	6.7	*	11.5	8.9	*
Hysterectomy	7	0.0	1.6	*	0.0	3.6	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTHSIDE REGIONAL MEDICAL CENTER

801 S Adams Street
Petersburg, VA 23803

Medicare Provider Number: 490067

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,457	9.7	9.0	0.9	14.7	13.5	1.2	18.4	17.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	79	32.9	28.0	6.2	35.4	31.3	6.5	36.7	34.7	5.7
Congestive Heart Failure	167	12.6	14.5	4.1	19.8	21.9	4.9	27.5	28.3	5.3
Pneumonia/Influenza	94	11.7	14.8	4.6	18.1	20.1	4.6	24.5	24.3	4.9
Chronic Obstructive Pulmonary Disease	26	19.2	6.1	*	30.8	10.5	*	34.6	14.6	*
Transient Cerebral Ischemia	51	3.9	1.8	2.4	5.9	4.0	2.9	5.9	6.4	3.4
Stroke	105	16.2	19.1	5.2	23.8	25.4	7.5	26.7	29.6	6.5
Hip Fracture	59	3.4	6.2	4.0	6.8	11.2	6.1	8.5	14.6	7.7
Sepsis	37	24.3	27.7	*	37.8	35.7	*	40.5	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.0	*	8.3	7.9	*	8.3	11.4	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	20	5.0	3.1	*	10.0	6.1	*	10.0	8.3	*
Open Reduction of Hip Fracture	39	2.6	5.7	*	5.1	10.6	*	7.7	14.0	*
Prostatectomy	98	0.0	0.7	1.1	2.0	1.8	1.7	2.0	3.2	2.5
Cholecystectomy	40	0.0	2.0	*	0.0	3.4	*	0.0	4.3	*
Hysterectomy	21	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	468
Occupancy Rate	51
Ownership/Control	District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians	150
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOUTHSIDE REGIONAL MEDICAL CENTER

Medicare Provider Number: 490067

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,453	9.2	9.4	0.6	14.6	14.2	0.8	18.8	18.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	77	24.7	29.3	6.2	28.6	32.4	6.0	31.2	36.0	6.7
Congestive Heart Failure	188	13.8	17.0	3.2	26.1	24.3	3.3	33.0	31.0	3.7
Pneumonia/Influenza	103	15.5	16.8	3.9	25.2	22.6	5.7	32.0	27.2	5.7
Chronic Obstructive Pulmonary Disease	20	15.0	5.5	*	25.0	10.1	*	30.0	14.3	*
Transient Cerebral Ischemia	44	0.0	1.9	*	0.0	4.3	*	2.3	6.8	*
Stroke	126	19.0	18.7	4.0	27.0	25.5	4.5	33.3	30.0	6.6
Hip Fracture	37	10.8	6.2	*	13.5	11.5	*	16.2	14.9	*
Sepsis	27	25.9	28.2	*	33.3	37.4	*	40.7	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	16.6	*	8.3	20.5	*	16.7	23.7	*
Carotid Endarterectomy	7	0.0	1.6	*	0.0	3.5	*	0.0	5.4	*
Hip Replacement/Reconstruction	15	6.7	4.8	*	13.3	9.5	*	13.3	12.7	*
Open Reduction of Hip Fracture	18	11.1	5.5	*	11.1	10.9	*	16.7	14.6	*
Prostatectomy	87	1.1	1.1	1.2	1.1	2.4	2.0	3.4	3.8	2.3
Cholecystectomy	41	4.9	4.7	*	9.8	8.2	*	12.2	10.4	*
Hysterectomy	25	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,512	10.3	9.8	0.7	15.5	14.7	0.8	19.5	18.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	73	32.9	31.1	7.4	37.0	34.5	7.1	39.7	38.1	6.8
Congestive Heart Failure	171	15.2	16.5	3.3	24.6	24.5	4.3	29.8	31.3	4.1
Pneumonia/Influenza	83	15.7	15.1	4.0	19.3	20.7	4.6	25.3	25.0	4.8
Chronic Obstructive Pulmonary Disease	22	9.1	11.8	*	18.2	18.6	*	27.3	23.8	*
Transient Cerebral Ischemia	41	0.0	2.4	*	7.3	5.3	*	9.8	8.5	*
Stroke	105	21.0	21.9	4.1	25.7	28.6	5.1	31.4	33.1	4.8
Hip Fracture	28	10.7	5.1	*	17.9	9.3	*	17.9	12.1	*
Sepsis	33	21.2	25.8	*	36.4	34.0	*	48.5	40.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	25.0	7.5	*	25.0	11.8	*	25.0	14.6	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	12	16.7	3.1	*	33.3	6.2	*	33.3	8.6	*
Open Reduction of Hip Fracture	14	7.1	4.5	*	7.1	8.4	*	7.1	11.0	*
Prostatectomy	115	0.9	0.7	1.4	3.5	1.6	2.3	3.5	2.7	2.8
Cholecystectomy	46	2.2	3.1	*	4.3	5.6	*	13.0	7.4	*
Hysterectomy	22	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTHWESTERN STATE HOSPITAL

Box 670
Marion, VA 24354

Medicare Provider Number: 490105

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	55	0.0	3.4	5.4	3.6	5.4	6.3	10.9	7.2	5.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	10.1	*	100.0	15.6	*	100.0	20.8	*
Pneumonia/Influenza	6	0.0	15.3	*	16.7	20.9	*	50.0	25.6	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	266
Occupancy Rate	100
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	8
Percent of Physicians Board Certified Specialists	13
Medical Residents/Interns	0
Registered Nurses	56
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOUTHWESTERN STATE HOSPITAL

Medicare Provider Number: 490105

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	67	3.0	4.3	2.9	4.5	6.6	4.0	6.0	8.6	4.9
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	100.0	18.9	*	100.0	28.7	*	100.0	36.4	*
Pneumonia/Influenza	6	0.0	10.6	*	0.0	14.2	*	0.0	17.3	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	2	0.0	17.5	*	0.0	23.3	*	0.0	28.1	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	58	10.3	8.1	4.0	15.5	12.1	5.8	19.0	15.0	8.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	12	25.0	16.4	*	33.3	21.7	*	41.7	25.9	*
Chronic Obstructive Pulmonary Disease	1	0.0	3.4	*	100.0	7.1	*	100.0	10.4	*
Transient Cerebral Ischemia	0									
Stroke	1	0.0	24.8	*	100.0	33.3	*	100.0	38.6	*
Hip Fracture	0									
Sepsis	1	0.0	32.7	*	0.0	53.5	*	0.0	65.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST MARYS HOSPITAL

Third Street NE
Norton, VA 24273

Medicare Provider Number: 490027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	319	4.1	8.5	2.2	8.8	12.9	2.6	11.9	16.3	2.6
CONDITIONS:										
Acute Myocardial Infarction	8	25.0	25.8	*	25.0	28.5	*	25.0	31.7	*
Congestive Heart Failure	12	0.0	13.2	*	8.3	20.3	*	8.3	26.6	*
Pneumonia/Influenza	14	7.1	20.0	*	21.4	26.7	*	21.4	31.7	*
Chronic Obstructive Pulmonary Disease	9	0.0	3.5	*	0.0	7.1	*	0.0	10.2	*
Transient Cerebral Ischemia	7	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Stroke	7	14.3	16.0	*	14.3	22.5	*	14.3	26.7	*
Hip Fracture	5	20.0	7.3	*	20.0	13.1	*	20.0	16.9	*
Sepsis	1	0.0	36.8	*	0.0	45.0	*	0.0	52.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.2	*	0.0	4.9	*	0.0	7.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.3	*	0.0	8.1	*	0.0	10.8	*
Open Reduction of Hip Fracture	4	0.0	5.4	*	0.0	9.8	*	0.0	12.7	*
Prostatectomy	7	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	8	0.0	1.4	*	12.5	2.2	*	12.5	2.9	*
Hysterectomy	3	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	133
Occupancy Rate	56
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	65
Percent of Physicians Board Certified Specialists	48
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST MARYS HOSPITAL

Medicare Provider Number: 490027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	275	7.3	10.1	2.7	13.5	15.4	2.9	17.1	19.3	3.3
CONDITIONS:										
Acute Myocardial Infarction	10	40.0	36.6	*	50.0	39.9	*	60.0	43.9	*
Congestive Heart Failure	13	0.0	15.3	*	15.4	23.1	*	15.4	29.9	*
Pneumonia/Influenza	13	15.4	16.7	*	30.8	23.7	*	30.8	29.0	*
Chronic Obstructive Pulmonary Disease	5	0.0	3.2	*	0.0	6.2	*	0.0	8.9	*
Transient Cerebral Ischemia	5	0.0	3.7	*	0.0	9.4	*	0.0	15.8	*
Stroke	3	0.0	19.4	*	0.0	25.2	*	0.0	29.9	*
Hip Fracture	2	0.0	4.1	*	50.0	7.4	*	50.0	9.6	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.5	*	0.0	2.9	*	0.0	4.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.5	*	100.0	6.8	*	100.0	8.9	*
Open Reduction of Hip Fracture	1	0.0	3.9	*	0.0	7.3	*	0.0	9.5	*
Prostatectomy	12	8.3	2.7	*	8.3	5.8	*	8.3	8.5	*
Cholecystectomy	4	0.0	2.0	*	0.0	3.6	*	0.0	4.6	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	331	7.9	9.8	2.5	12.7	14.5	3.8	15.1	18.2	4.4
CONDITIONS:										
Acute Myocardial Infarction	15	33.3	30.7	*	46.7	34.5	*	46.7	38.2	*
Congestive Heart Failure	5	20.0	18.9	*	20.0	28.6	*	20.0	36.6	*
Pneumonia/Influenza	19	5.3	14.2	*	5.3	19.1	*	5.3	23.3	*
Chronic Obstructive Pulmonary Disease	9	0.0	7.4	*	11.1	14.2	*	11.1	20.7	*
Transient Cerebral Ischemia	3	0.0	3.4	*	0.0	8.2	*	0.0	13.2	*
Stroke	8	12.5	25.3	*	12.5	32.6	*	12.5	37.6	*
Hip Fracture	10	0.0	5.7	*	20.0	10.4	*	20.0	13.6	*
Sepsis	3	33.3	41.5	*	33.3	47.4	*	33.3	54.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	5.3	*	40.0	10.2	*	40.0	13.6	*
Open Reduction of Hip Fracture	2	0.0	5.0	*	0.0	9.4	*	0.0	12.6	*
Prostatectomy	9	0.0	0.9	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	4	0.0	1.7	*	0.0	2.8	*	0.0	3.5	*
Hysterectomy	4	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST MARYS HOSPITAL OF RICHMOND

5801 Bremo Rd
Richmond, VA 23226

Medicare Provider Number: 490059

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,486	6.9	7.8	0.6	11.5	12.2	0.7	15.3	15.7	0.6
CONDITIONS:										
Acute Myocardial Infarction	58	25.9	27.7	7.1	27.6	31.1	7.4	31.0	34.7	8.7
Congestive Heart Failure	124	12.1	14.3	3.6	24.2	22.0	4.8	32.3	28.6	7.2
Pneumonia/Influenza	114	14.9	16.5	5.3	22.8	22.5	5.5	23.7	27.4	5.3
Chronic Obstructive Pulmonary Disease	48	4.2	6.4	*	8.3	11.5	*	14.6	15.9	*
Transient Cerebral Ischemia	83	2.4	1.8	1.5	2.4	3.9	2.4	4.8	6.2	3.3
Stroke	106	18.9	20.4	4.5	24.5	26.6	4.5	27.4	31.1	5.3
Hip Fracture	55	10.9	7.3	6.6	20.0	13.1	7.5	20.0	17.1	7.4
Sepsis	28	28.6	33.0	*	32.1	42.0	*	39.3	49.2	*
PROCEDURES:										
Angioplasty	25	4.0	3.6	*	4.0	4.6	*	4.0	5.8	*
Coronary Artery Bypass Graft	29	3.4	5.9	*	10.3	9.0	*	10.3	11.0	*
Initial Pacemaker Insertion	17	5.9	3.9	*	11.8	6.4	*	11.8	8.7	*
Carotid Endarterectomy	27	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	72	1.4	3.0	2.3	5.6	5.6	2.8	8.3	7.7	3.4
Open Reduction of Hip Fracture	14	21.4	6.2	*	21.4	11.5	*	21.4	14.9	*
Prostatectomy	117	0.0	0.8	1.9	1.7	1.9	1.8	3.4	3.2	1.8
Cholecystectomy	45	0.0	2.3	*	4.4	3.9	*	4.4	5.0	*
Hysterectomy	25	4.0	0.8	*	4.0	1.7	*	8.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	369
Occupancy Rate	72
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	432
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	333
Licensed Practical Nurses	66

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST MARYS HOSPITAL OF RICHMOND

Medicare Provider Number: 490059

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,162	6.9	7.4	0.5	11.9	11.7	0.6	15.7	15.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	63	20.6	26.2	9.8	23.8	29.6	10.3	27.0	33.3	11.0
Congestive Heart Failure	102	11.8	14.7	4.4	17.6	23.0	6.6	21.6	30.0	9.3
Pneumonia/Influenza	87	16.1	15.4	5.7	23.0	20.8	8.1	25.3	25.2	5.8
Chronic Obstructive Pulmonary Disease	43	0.0	5.4	*	11.6	10.6	*	18.6	15.4	*
Transient Cerebral Ischemia	69	0.0	1.7	1.9	1.4	3.6	3.0	1.4	5.7	4.2
Stroke	102	18.6	21.8	4.6	25.5	28.8	5.4	33.3	33.7	4.9
Hip Fracture	69	11.6	6.8	4.5	14.5	12.5	7.5	24.6	16.2	9.0
Sepsis	44	29.5	32.2	*	47.7	41.0	*	47.7	47.2	*
PROCEDURES:										
Angioplasty	1	0.0	7.4	*	0.0	8.2	*	0.0	9.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	4.5	*	0.0	8.4	*	5.9	12.0	*
Carotid Endarterectomy	37	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	63	6.3	2.9	3.5	7.9	5.6	4.2	11.1	7.7	7.2
Open Reduction of Hip Fracture	18	16.7	7.1	*	22.2	13.3	*	27.8	17.1	*
Prostatectomy	103	0.0	0.9	1.3	1.9	2.2	1.5	2.9	3.7	2.1
Cholecystectomy	51	0.0	2.6	5.4	7.8	4.6	4.4	7.8	5.9	4.5
Hysterectomy	18	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,846	7.4	7.3	0.6	12.2	11.7	0.8	15.3	15.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	62	41.9	29.4	9.0	43.5	32.6	9.2	43.5	36.1	9.7
Congestive Heart Failure	98	9.2	16.1	5.4	15.3	24.2	6.9	20.4	30.8	7.4
Pneumonia/Influenza	64	20.3	17.1	7.3	26.6	23.2	6.3	29.7	28.2	6.6
Chronic Obstructive Pulmonary Disease	47	8.5	6.3	*	17.0	11.6	*	23.4	16.3	*
Transient Cerebral Ischemia	70	0.0	1.5	2.1	2.9	3.3	2.2	4.3	5.1	2.8
Stroke	101	11.9	20.5	6.2	19.8	26.9	6.1	26.7	31.4	5.3
Hip Fracture	67	3.0	6.2	3.4	4.5	11.2	5.5	7.5	14.5	6.3
Sepsis	33	36.4	29.3	*	45.5	38.6	*	51.5	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	34	5.9	3.6	*	5.9	6.9	*	11.8	9.8	*
Carotid Endarterectomy	41	0.0	1.6	*	2.4	2.9	*	2.4	4.1	*
Hip Replacement/Reconstruction	52	1.9	2.7	2.4	3.8	5.2	3.7	3.8	7.1	4.1
Open Reduction of Hip Fracture	21	4.8	6.4	*	4.8	12.2	*	9.5	15.9	*
Prostatectomy	90	1.1	0.7	1.0	2.2	1.8	1.5	3.3	3.1	2.1
Cholecystectomy	51	0.0	2.6	3.4	2.0	4.9	4.6	5.9	6.7	5.0
Hysterectomy	20	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Medicare Provider Number 490059

COMMENTS ON THE HCFA MORTALITY DATA

St. Mary's Hospital, Richmond, VA.
December 27, 1990

St. Mary's Hospital takes the commitment to deliver quality care very seriously. For that reason, the Administration and Board support the ongoing quality review activity designed by our quality assessment professionals and the medical staff. The care delivered to each patient is reviewed to insure that care was appropriate. One hundred and forty-two (142) screens have been developed by our staff and are used to isolate cases that need further review and possible intervention. In this manner the care delivered by each physician and each member of the hospital's clinical staff is constantly under review to promote any change necessary in education, equipment, or professional competence that will enhance patient care.

All deaths are reviewed with attending physicians responsible for peer review in their respective departments. There were no quality problems noted in the deaths listed when the ongoing review was completed.

HCFA reviewed cases for: (A) Eight (8) conditions, and (B) Nine (9) procedures. We have chosen to review again only those deaths where the observed rate significantly exceeded the predicted rate at 30 days post admission. The only condition represented using this criteria is hip fracture, and the two (2) procedures are initial pacemaker insertion and open reduction of hip fracture.

Comments will be made on the category of hip fracture and the procedure of open reduction of hip fracture together because the same cases are represented. The 10.9% rate for hip fracture involves six (6) patients of whom three (3) had open reduction. Review of these six (6) cases revealed an elderly population with multiple medical problems. Three (3) or 50% of these patient were admitted from nursing homes where they were cared for due to their multiple medical problems and dementia. Of the nursing home group one patient had suffered from end stage renal disease and been on dialysis 15 months. The other three (3) patients admitted from home had similar circumstances. They had multiple problems, all having previous diagnosis of congestive heart failure. One (1) patient had been referred by Adult Protective Service in his county due to his inability to care for himself and refusal to make arrangements for his care. Two (2) of these patients were known to be deteriorating severely. Initial attempts at treatment were made. When treatment failed, the decision was made in these cases to discontinue heroic efforts and provide comfort care only for these patients until death. These were family requests, based on patients' wishes.

The one other procedure reviewed was initial pacemaker insertion. The one case that results in a 5.9% rate is that of a 71 year old woman with known severe chronic lung disease and organic heart disease. She was carefully evaluated for the pacemaker when she was discovered to have a full heart block after emergency admission. Her present medical condition and lung disease was improved. She recovered well and was discharged after pacemaker insertion to be followed in the office. She later suffered severe deterioration from her chronic lung disease necessitating admission. She was vigorously treated but did not respond. Her wishes for no resuscitation were maintained and she expired as a result of respiratory failure.

We believe the brief summary of cases provides valuable insight into the complex medical histories of the patients included in the mortality rates. The patients received excellent medical attention and support. They died as a result of advanced disease and when death was expected. Heroic care was avoided given the expected deterioration in quality of life and lack of benefit it would provide the patient as well as the patient and families wish that the patient die in comfort with respect for their dignity.

We thank you for the opportunity to respond and hope our comments will be informative as well as educational.

Christopher Carney

Christopher M. Carney
Chief Executive Officer

STONEWALL JACKSON HOSPITAL

Spotswood Road
Lexington, VA 24450

Medicare Provider Number: 490031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	588	9.7	9.7	1.2	14.3	14.2	1.5	18.7	18.0	1.9
CONDITIONS:										
Acute Myocardial Infarction	18	38.9	29.4	*	38.9	32.2	*	38.9	35.6	*
Congestive Heart Failure	43	18.6	16.0	*	27.9	23.9	*	34.9	30.6	*
Pneumonia/Influenza	39	12.8	15.8	*	15.4	21.3	*	17.9	25.9	*
Chronic Obstructive Pulmonary Disease	10	10.0	7.9	*	10.0	13.2	*	10.0	17.6	*
Transient Cerebral Ischemia	6	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke	32	12.5	23.0	*	18.8	30.5	*	21.9	35.2	*
Hip Fracture	22	9.1	5.4	*	13.6	10.0	*	18.2	13.4	*
Sepsis	6	50.0	22.3	*	50.0	27.5	*	83.3	32.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	4.2	*	7.7	9.4	*	15.4	14.5	*
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	15	6.7	2.5	*	6.7	4.2	*	6.7	5.1	*
Hysterectomy	6	0.0	1.4	*	0.0	2.9	*	0.0	4.5	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	130
Occupancy Rate	59
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	23
Percent of Physicians Board Certified Specialists	96
Medical Residents/Interns	0
Registered Nurses	53
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

STONEWALL JACKSON HOSPITAL

Medicare Provider Number: 490031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	582	10.8	11.0	2.1	18.4	15.9	2.5	21.3	19.8	3.2
CONDITIONS:										
Acute Myocardial Infarction	40	22.5	24.8	*	32.5	28.3	*	35.0	31.8	*
Congestive Heart Failure	38	18.4	17.6	*	39.5	25.9	*	44.7	32.7	*
Pneumonia/Influenza	43	14.0	15.9	*	27.9	21.4	*	27.9	25.9	*
Chronic Obstructive Pulmonary Disease	12	0.0	3.7	*	8.3	6.9	*	8.3	9.8	*
Transient Cerebral Ischemia	8	12.5	2.1	*	12.5	4.7	*	25.0	7.6	*
Stroke	16	12.5	20.5	*	25.0	26.4	*	37.5	30.7	*
Hip Fracture	9	11.1	5.5	*	11.1	10.0	*	11.1	13.0	*
Sepsis	10	40.0	29.7	*	50.0	37.2	*	50.0	42.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	6.3	3.5	*	6.3	6.1	*	6.3	8.0	*
Open Reduction of Hip Fracture	2	0.0	3.8	*	0.0	7.2	*	0.0	9.6	*
Prostatectomy	0									
Cholecystectomy	11	9.1	2.4	*	9.1	4.6	*	9.1	6.4	*
Hysterectomy	4	0.0	1.0	*	25.0	2.8	*	25.0	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	595	12.8	9.1	1.9	15.5	13.6	1.5	18.7	17.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	31	25.8	19.7	*	25.8	23.1	*	29.0	26.5	*
Congestive Heart Failure	24	29.2	15.6	*	41.7	24.1	*	50.0	31.0	*
Pneumonia/Influenza	36	16.7	16.5	*	16.7	22.6	*	22.2	27.5	*
Chronic Obstructive Pulmonary Disease	7	14.3	14.1	*	14.3	23.3	*	42.9	29.8	*
Transient Cerebral Ischemia	10	10.0	2.1	*	10.0	4.8	*	10.0	7.7	*
Stroke	13	23.1	23.7	*	30.8	30.4	*	30.8	34.8	*
Hip Fracture	15	0.0	6.2	*	0.0	11.7	*	0.0	15.4	*
Sepsis	3	33.3	34.8	*	33.3	41.2	*	33.3	47.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	3.4	*	0.0	6.6	*	0.0	8.9	*
Open Reduction of Hip Fracture	2	0.0	6.7	*	0.0	13.3	*	0.0	17.8	*
Prostatectomy	0									
Cholecystectomy	12	0.0	2.1	*	0.0	4.3	*	8.3	6.1	*
Hysterectomy	3	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

STUART CIRCLE HOSPITAL

413-21 Stuart Circle
Richmond, VA 23220

Medicare Provider Number: 490091

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,579	8.4	8.4	1.3	12.9	13.3	1.5	16.0	17.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	31.9	*	36.0	35.9	*	36.0	40.3	*
Congestive Heart Failure	57	17.5	14.2	5.1	31.6	21.9	8.0	35.1	28.5	8.4
Pneumonia/Influenza	58	24.1	18.0	8.7	32.8	24.2	11.1	37.9	29.1	12.5
Chronic Obstructive Pulmonary Disease	19	15.8	6.1	*	26.3	12.0	*	31.6	17.3	*
Transient Cerebral Ischemia	32	3.1	1.7	*	3.1	3.7	*	3.1	5.9	*
Stroke	59	18.6	23.2	6.0	20.3	29.8	7.7	22.0	34.5	8.8
Hip Fracture	36	2.8	7.0	*	13.9	12.6	*	13.9	16.3	*
Sepsis	8	25.0	22.9	*	25.0	30.0	*	50.0	35.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.1	*	0.0	4.3	*	0.0	6.6	*
Carotid Endarterectomy	3	33.3	1.6	*	33.3	2.9	*	33.3	4.5	*
Hip Replacement/Reconstruction	33	6.1	2.5	*	12.1	4.8	*	12.1	6.6	*
Open Reduction of Hip Fracture	17	0.0	6.7	*	17.6	12.5	*	17.6	16.3	*
Prostatectomy	25	4.0	1.7	*	4.0	4.2	*	4.0	7.0	*
Cholecystectomy	27	3.7	1.9	*	3.7	3.2	*	3.7	4.3	*
Hysterectomy	20	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	153
Occupancy Rate	51
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

STUART CIRCLE HOSPITAL

Medicare Provider Number: 490091

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,643	7.9	8.1	1.3	12.8	12.7	1.5	15.7	16.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	32	31.3	32.6	*	37.5	36.3	*	40.6	40.4	*
Congestive Heart Failure	55	16.4	17.4	7.3	25.5	26.2	6.2	30.9	33.3	6.7
Pneumonia/Influenza	61	23.0	17.2	6.9	36.1	23.0	8.3	37.7	27.6	8.4
Chronic Obstructive Pulmonary Disease	23	8.7	3.9	*	8.7	7.7	*	13.0	11.0	*
Transient Cerebral Ischemia	17	5.9	2.7	*	11.8	6.1	*	17.6	9.8	*
Stroke	53	13.2	20.3	9.3	22.6	27.3	9.9	26.4	32.0	10.5
Hip Fracture	37	8.1	6.5	*	13.5	12.0	*	16.2	15.7	*
Sepsis	11	18.2	23.4	*	45.5	31.1	*	54.5	36.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.0	*	0.0	7.6	*	0.0	11.4	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
Hip Replacement/Reconstruction	36	0.0	2.3	*	0.0	4.3	*	0.0	5.8	*
Open Reduction of Hip Fracture	20	15.0	6.8	*	25.0	13.2	*	30.0	17.6	*
Prostatectomy	30	0.0	1.1	*	6.7	2.6	*	6.7	4.0	*
Cholecystectomy	33	0.0	1.3	*	3.0	2.3	*	3.0	3.0	*
Hysterectomy	20	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,607	7.7	8.6	1.1	11.9	13.3	1.2	15.9	17.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	33	33.3	32.2	*	39.4	36.0	*	45.5	40.1	*
Congestive Heart Failure	59	11.9	15.4	5.8	23.7	23.3	5.7	35.6	29.9	8.9
Pneumonia/Influenza	46	19.6	17.2	*	28.3	23.1	*	32.6	28.0	*
Chronic Obstructive Pulmonary Disease	23	13.0	7.1	*	17.4	12.8	*	21.7	17.7	*
Transient Cerebral Ischemia	17	11.8	1.6	*	17.6	3.8	*	17.6	6.1	*
Stroke	71	28.2	21.7	7.9	32.4	28.4	7.1	36.6	33.1	7.9
Hip Fracture	28	3.6	6.5	*	10.7	12.3	*	14.3	16.4	*
Sepsis	10	30.0	29.4	*	30.0	39.5	*	40.0	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	3.2	*	9.1	6.2	*	9.1	8.9	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	41	0.0	2.9	*	4.9	5.8	*	7.3	7.9	*
Open Reduction of Hip Fracture	9	11.1	5.3	*	11.1	10.2	*	11.1	13.5	*
Prostatectomy	43	2.3	1.3	*	2.3	3.4	*	2.3	5.7	*
Cholecystectomy	28	7.1	2.9	*	10.7	4.6	*	14.3	5.7	*
Hysterectomy	18	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

TAZEWELL COMMUNITY HOSPITAL

P O Box 607
Tazewell, VA 24651

Medicare Provider Number: 490117

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	514	9.3	8.7	1.3	15.8	12.9	2.3	19.3	16.3	2.5
CONDITIONS:										
Acute Myocardial Infarction	27	18.5	25.9	*	22.2	29.1	*	33.3	32.5	*
Congestive Heart Failure	26	19.2	13.4	*	26.9	20.1	*	34.6	26.4	*
Pneumonia/Influenza	15	0.0	14.4	*	0.0	19.5	*	0.0	23.9	*
Chronic Obstructive Pulmonary Disease	27	11.1	6.3	*	18.5	11.2	*	18.5	15.6	*
Transient Cerebral Ischemia	13	0.0	2.5	*	23.1	5.9	*	23.1	9.8	*
Stroke	15	26.7	20.8	*	40.0	26.3	*	46.7	30.6	*
Hip Fracture	1	0.0	5.5	*	0.0	9.9	*	0.0	12.9	*
Sepsis	5	80.0	32.5	*	100.0	40.6	*	100.0	46.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*
Open Reduction of Hip Fracture	1	0.0	4.8	*	0.0	9.1	*	0.0	12.0	*
Prostatectomy	6	16.7	1.5	*	16.7	3.7	*	16.7	6.3	*
Cholecystectomy	13	0.0	2.4	*	7.7	4.0	*	7.7	5.0	*
Hysterectomy	2	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	56
Occupancy Rate	46
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	47
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	38
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

TAZEWELL COMMUNITY HOSPITAL

Medicare Provider Number: 490117

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	477	7.3	8.4	1.6	11.3	12.4	1.7	16.8	15.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	17	17.6	24.3	*	17.6	27.4	*	29.4	31.1	*
Congestive Heart Failure	29	10.3	15.8	*	27.6	23.2	*	41.4	30.2	*
Pneumonia/Influenza	18	22.2	14.4	*	33.3	20.2	*	33.3	24.9	*
Chronic Obstructive Pulmonary Disease	20	0.0	3.3	*	0.0	6.4	*	5.0	9.3	*
Transient Cerebral Ischemia	20	0.0	1.8	*	0.0	3.9	*	5.0	6.2	*
Stroke	18	27.8	25.1	*	33.3	30.5	*	33.3	34.8	*
Hip Fracture	2	0.0	6.1	*	0.0	13.2	*	0.0	19.0	*
Sepsis	7	42.9	28.9	*	42.9	35.8	*	42.9	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	0.5	*	0.0	1.2	*	33.3	2.0	*
Cholecystectomy	12	8.3	2.1	*	16.7	4.1	*	16.7	5.7	*
Hysterectomy	4	0.0	0.8	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	502	6.4	7.7	1.5	10.4	11.9	1.9	12.9	15.3	2.2
CONDITIONS:										
Acute Myocardial Infarction	18	5.6	18.8	*	11.1	22.1	*	11.1	25.6	*
Congestive Heart Failure	22	13.6	16.9	*	27.3	24.6	*	31.8	31.8	*
Pneumonia/Influenza	16	6.3	14.4	*	18.8	20.3	*	18.8	25.1	*
Chronic Obstructive Pulmonary Disease	27	3.7	4.2	*	7.4	8.1	*	14.8	11.7	*
Transient Cerebral Ischemia	13	0.0	2.1	*	0.0	4.6	*	0.0	7.3	*
Stroke	12	16.7	20.4	*	16.7	26.4	*	25.0	31.1	*
Hip Fracture	3	0.0	9.9	*	0.0	17.5	*	33.3	22.6	*
Sepsis	4	75.0	42.4	*	75.0	49.0	*	75.0	54.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	2.9	*	0.0	5.9	*	0.0	8.1	*
Open Reduction of Hip Fracture	1	0.0	17.7	*	0.0	30.5	*	100.0	37.6	*
Prostatectomy	12	0.0	2.1	*	0.0	5.3	*	0.0	8.8	*
Cholecystectomy	13	0.0	1.6	*	7.7	2.9	*	7.7	3.9	*
Hysterectomy	2	0.0	1.0	*	0.0	1.9	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

TWIN COUNTY COMMUNITY HOSPITAL

200 Hospital Drive
Galax, VA 24333

Medicare Provider Number: 490115

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,268	8.8	8.9	0.9	12.9	13.4	1.0	17.0	17.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	40	30.0	23.4	*	32.5	26.3	*	32.5	29.4	*
Congestive Heart Failure	38	21.1	14.5	*	28.9	22.3	*	42.1	28.8	*
Pneumonia/Influenza	64	14.1	14.0	4.4	20.3	19.1	5.0	29.7	23.2	6.3
Chronic Obstructive Pulmonary Disease	7	14.3	6.2	*	14.3	9.7	*	28.6	12.8	*
Transient Cerebral Ischemia	15	0.0	2.1	*	0.0	4.7	*	0.0	7.7	*
Stroke	55	18.2	20.9	5.9	25.5	27.9	8.4	27.3	32.4	7.6
Hip Fracture	51	2.0	5.7	5.0	9.8	10.7	6.6	11.8	14.3	5.8
Sepsis	11	36.4	27.8	*	45.5	36.7	*	45.5	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	7.2	*	0.0	13.0	*	14.3	18.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	26	0.0	4.1	*	7.7	8.1	*	7.7	11.2	*
Open Reduction of Hip Fracture	29	3.4	5.3	*	6.9	10.4	*	10.3	14.2	*
Prostatectomy	18	0.0	1.1	*	5.6	2.7	*	11.1	4.9	*
Cholecystectomy	21	0.0	3.8	*	4.8	6.3	*	9.5	7.9	*
Hysterectomy	7	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	149
Occupancy Rate	57
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	33
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	93
Licensed Practical Nurses	84

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

TWIN COUNTY COMMUNITY HOSPITAL

Medicare Provider Number: 490115

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,276	9.6	9.1	1.1	14.3	13.8	1.1	18.4	17.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	36	33.3	29.9	*	38.9	33.0	*	44.4	36.5	*
Congestive Heart Failure	37	8.1	15.1	*	21.6	23.1	*	32.4	29.7	*
Pneumonia/Influenza	68	17.6	19.5	6.9	20.6	26.3	8.0	29.4	31.2	6.4
Chronic Obstructive Pulmonary Disease	16	0.0	10.8	*	12.5	17.9	*	12.5	23.3	*
Transient Cerebral Ischemia	20	0.0	2.1	*	5.0	4.8	*	10.0	7.6	*
Stroke	52	15.4	19.9	9.9	25.0	26.4	9.5	30.8	31.1	6.5
Hip Fracture	40	2.5	6.1	*	7.5	11.0	*	12.5	14.1	*
Sepsis	12	66.7	26.1	*	66.7	33.2	*	75.0	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.2	*	0.0	4.1	*	0.0	6.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	29	0.0	3.4	*	6.9	6.6	*	10.3	9.0	*
Open Reduction of Hip Fracture	19	0.0	6.5	*	0.0	12.1	*	5.3	15.7	*
Prostatectomy	11	0.0	1.3	*	0.0	3.1	*	0.0	5.1	*
Cholecystectomy	27	7.4	2.6	*	7.4	4.3	*	14.8	5.3	*
Hysterectomy	7	0.0	0.9	*	0.0	1.7	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,405	9.4	7.9	1.0	14.0	12.4	1.1	16.8	16.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	44	38.6	25.5	*	45.5	29.0	*	45.5	32.6	*
Congestive Heart Failure	51	17.6	15.9	6.4	19.6	24.1	7.4	29.4	31.1	7.8
Pneumonia/Influenza	73	13.7	13.9	4.5	23.3	19.3	5.5	28.8	23.7	7.9
Chronic Obstructive Pulmonary Disease	11	9.1	8.8	*	9.1	14.6	*	9.1	19.6	*
Transient Cerebral Ischemia	29	0.0	2.0	*	3.4	4.3	*	6.9	6.9	*
Stroke	52	23.1	20.3	7.9	42.3	27.4	9.8	44.2	32.1	9.5
Hip Fracture	57	7.0	6.5	4.0	10.5	12.0	5.6	15.8	15.6	4.8
Sepsis	2	0.0	24.5	*	0.0	36.2	*	0.0	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.2	*	0.0	5.2	*	0.0	8.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	35	5.7	5.7	*	5.7	11.2	*	14.3	14.8	*
Open Reduction of Hip Fracture	27	7.4	5.8	*	14.8	11.3	*	18.5	15.1	*
Prostatectomy	26	0.0	1.0	*	0.0	2.3	*	3.8	3.7	*
Cholecystectomy	23	0.0	2.2	*	0.0	3.7	*	0.0	4.6	*
Hysterectomy	7	0.0	0.7	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNIVERSITY OF VIRGINIA HOSPITAL

Jefferson Park Ave
Charlottesville, VA 22901

Medicare Provider Number: 490009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,646	7.2	8.7	0.6	11.8	13.7	0.7	16.0	17.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	73	17.8	26.2	9.0	23.3	29.8	8.4	27.4	33.3	7.3
Congestive Heart Failure	83	8.4	16.3	5.9	19.3	25.6	6.6	28.9	32.9	5.6
Pneumonia/Influenza	83	18.1	15.6	5.0	22.9	21.3	4.6	25.3	25.8	4.8
Chronic Obstructive Pulmonary Disease	16	6.3	12.8	*	12.5	19.9	*	18.8	26.5	*
Transient Cerebral Ischemia	58	1.7	1.5	2.1	1.7	3.3	2.9	1.7	5.0	4.0
Stroke	122	18.9	23.4	4.5	25.4	29.7	4.8	33.6	34.2	5.1
Hip Fracture	37	0.0	6.9	*	2.7	12.0	*	5.4	15.3	*
Sepsis	28	25.0	21.4	*	32.1	29.4	*	35.7	35.1	*
PROCEDURES:										
Angioplasty	61	3.3	2.1	3.2	6.6	3.2	3.8	6.6	4.5	4.5
Coronary Artery Bypass Graft	108	4.6	6.3	3.3	7.4	9.9	3.8	10.2	12.2	3.5
Initial Pacemaker Insertion	20	0.0	3.2	*	5.0	6.0	*	10.0	8.6	*
Carotid Endarterectomy	27	0.0	1.6	*	0.0	3.1	*	3.7	4.7	*
Hip Replacement/Reconstruction	63	1.6	2.1	2.2	1.6	4.0	3.4	3.2	5.6	3.9
Open Reduction of Hip Fracture	24	0.0	6.7	*	4.2	12.3	*	8.3	16.1	*
Prostatectomy	50	0.0	1.3	*	0.0	3.1	*	2.0	5.1	*
Cholecystectomy	30	0.0	3.2	*	3.3	6.1	*	3.3	8.3	*
Hysterectomy	39	2.6	1.8	*	5.1	3.2	*	5.1	4.4	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	658
Occupancy Rate	74
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	382
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	375
Registered Nurses	1,068
Licensed Practical Nurses	98

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

** **Not used in calculating hospital mortality rates.**

UNIVERSITY OF VIRGINIA HOSPITAL

Medicare Provider Number: 490009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,710	8.5	9.2	0.7	13.1	14.3	0.8	17.2	18.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	89	28.1	31.4	7.6	32.6	34.8	8.3	34.8	38.6	8.2
Congestive Heart Failure	93	15.1	15.1	3.8	28.0	23.6	6.6	34.4	30.5	7.1
Pneumonia/Influenza	82	19.5	16.4	6.1	28.0	22.8	9.2	32.9	27.6	9.3
Chronic Obstructive Pulmonary Disease	15	26.7	9.3	*	26.7	15.8	*	26.7	21.1	*
Transient Cerebral Ischemia	41	2.4	2.2	*	2.4	4.4	*	2.4	6.7	*
Stroke	119	16.0	20.7	5.6	25.2	27.2	4.7	30.3	31.6	4.6
Hip Fracture	45	2.2	6.8	*	11.1	12.0	*	13.3	15.3	*
Sepsis	30	43.3	32.9	*	50.0	40.3	*	60.0	46.2	*
PROCEDURES:										
Angioplasty	51	0.0	4.5	*	0.0	5.7	*	0.0	7.3	*
Coronary Artery Bypass Graft	109	5.5	5.8	2.3	7.3	8.7	3.8	8.3	10.5	4.1
Initial Pacemaker Insertion	24	12.5	9.8	*	20.8	13.0	*	20.8	15.9	*
Carotid Endarterectomy	24	0.0	2.0	*	4.2	3.9	*	4.2	5.6	*
Hip Replacement/Reconstruction	61	0.0	1.5	2.1	1.6	2.8	3.1	1.6	3.9	3.7
Open Reduction of Hip Fracture	28	0.0	6.2	*	3.6	11.4	*	3.6	14.8	*
Prostatectomy	45	0.0	3.0	*	0.0	5.4	*	8.9	7.8	*
Cholecystectomy	24	0.0	5.3	*	0.0	9.4	*	0.0	11.9	*
Hysterectomy	40	0.0	1.5	*	0.0	3.3	*	0.0	5.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,540	8.1	9.6	0.6	12.9	14.8	0.8	16.5	18.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	83	27.7	32.5	6.4	28.9	35.7	7.0	32.5	39.4	7.8
Congestive Heart Failure	73	11.0	16.3	5.3	21.9	24.5	7.9	24.7	31.1	8.4
Pneumonia/Influenza	67	14.9	16.1	5.0	23.9	22.1	5.6	23.9	26.8	6.6
Chronic Obstructive Pulmonary Disease	15	20.0	9.4	*	20.0	16.2	*	26.7	21.5	*
Transient Cerebral Ischemia	48	0.0	1.8	*	2.1	3.6	*	2.1	5.5	*
Stroke	99	11.1	22.5	6.5	24.2	29.1	5.6	27.3	33.4	5.5
Hip Fracture	41	9.8	9.3	*	17.1	15.9	*	19.5	20.1	*
Sepsis	18	44.4	34.2	*	50.0	42.1	*	61.1	47.8	*
PROCEDURES:										
Angioplasty	43	2.3	5.5	*	2.3	7.6	*	2.3	9.7	*
Coronary Artery Bypass Graft	79	6.3	8.7	4.1	11.4	12.8	4.4	13.9	15.0	4.3
Initial Pacemaker Insertion	26	3.8	4.2	*	3.8	7.3	*	3.8	9.8	*
Carotid Endarterectomy	24	4.2	1.9	*	4.2	3.9	*	8.3	5.6	*
Hip Replacement/Reconstruction	43	0.0	2.0	*	0.0	3.6	*	0.0	4.7	*
Open Reduction of Hip Fracture	13	15.4	6.9	*	23.1	13.2	*	23.1	17.6	*
Prostatectomy	46	4.3	1.8	*	6.5	4.1	*	8.7	6.6	*
Cholecystectomy	35	2.9	6.8	*	2.9	11.3	*	5.7	14.1	*
Hysterectomy	33	0.0	1.9	*	0.0	3.9	*	0.0	5.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

VIRGINIA BAPTIST HOSPITAL

3300 Rivermont Ave
Lynchburg, VA 24503

Medicare Provider Number: 490021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,850	7.4	6.7	0.7	11.2	10.8	0.9	14.8	14.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	53	13.2	25.9	8.0	17.0	29.2	8.8	17.0	32.8	9.5
Congestive Heart Failure	91	16.5	12.8	4.6	22.0	20.7	5.0	29.7	27.2	6.5
Pneumonia/Influenza	85	9.4	12.8	4.5	10.6	18.4	6.0	14.1	22.6	7.0
Chronic Obstructive Pulmonary Disease	12	0.0	3.3	*	8.3	6.3	*	16.7	9.0	*
Transient Cerebral Ischemia	12	0.0	1.8	*	0.0	4.0	*	8.3	6.3	*
Stroke	58	20.7	17.8	8.0	25.9	24.4	7.4	31.0	28.9	6.8
Hip Fracture	2	0.0	4.2	*	50.0	9.2	*	100.0	14.0	*
Sepsis	19	5.3	23.2	*	10.5	31.2	*	10.5	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	3	33.3	8.6	*	33.3	12.9	*	33.3	15.7	*
Initial Pacemaker Insertion	11	9.1	2.3	*	9.1	4.3	*	18.2	6.2	*
Carotid Endarterectomy	1	0.0	2.4	*	0.0	4.5	*	0.0	7.0	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	55	0.0	0.8	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	39	0.0	1.2	*	0.0	2.0	*	2.6	2.6	*
Hysterectomy	35	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	354
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	164
Percent of Physicians Board Certified Specialists	95
Medical Residents/Interns	0
Registered Nurses	308
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

VIRGINIA BAPTIST HOSPITAL

Medicare Provider Number: 490021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,745	8.3	7.7	0.8	12.1	12.2	0.8	16.1	15.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	48	22.9	26.1	*	25.0	29.1	*	35.4	32.7	*
Congestive Heart Failure	90	15.6	14.2	4.0	20.0	21.8	4.6	30.0	28.2	5.0
Pneumonia/Influenza	72	13.9	15.8	4.5	22.2	21.4	4.8	33.3	25.9	6.2
Chronic Obstructive Pulmonary Disease	11	9.1	9.2	*	27.3	15.4	*	36.4	20.1	*
Transient Cerebral Ischemia	18	0.0	2.5	*	0.0	5.8	*	11.1	9.3	*
Stroke	44	13.6	18.5	*	15.9	24.8	*	20.5	29.2	*
Hip Fracture	0									
Sepsis	16	37.5	28.4	*	37.5	35.0	*	43.8	41.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	5.3	*	0.0	8.0	*	0.0	11.2	*
Carotid Endarterectomy	3	0.0	1.4	*	33.3	2.9	*	33.3	4.4	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	65	1.5	1.0	2.0	7.7	2.5	4.4	7.7	4.2	4.1
Cholecystectomy	43	4.7	2.2	*	4.7	4.0	*	4.7	5.5	*
Hysterectomy	23	0.0	1.0	*	0.0	2.0	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,708	7.8	7.6	0.9	12.1	11.9	1.0	15.0	15.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	58	22.4	27.8	7.4	22.4	31.0	7.1	25.9	34.6	7.6
Congestive Heart Failure	59	6.8	11.8	7.0	13.6	18.3	8.2	16.9	24.2	9.7
Pneumonia/Influenza	69	10.1	13.7	5.7	15.9	19.3	5.5	24.6	24.2	5.2
Chronic Obstructive Pulmonary Disease	13	23.1	9.8	*	23.1	16.6	*	30.8	22.1	*
Transient Cerebral Ischemia	23	0.0	1.9	*	4.3	4.1	*	8.7	6.7	*
Stroke	39	12.8	19.8	*	23.1	26.2	*	25.6	31.0	*
Hip Fracture	5	20.0	5.8	*	20.0	11.3	*	20.0	15.6	*
Sepsis	21	19.0	28.5	*	33.3	35.8	*	33.3	42.1	*
PROCEDURES:										
Angioplasty	1	0.0	14.9	*	0.0	17.7	*	0.0	21.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	3.2	*	12.5	5.2	*	12.5	7.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	78	2.6	0.8	1.4	5.1	2.0	2.3	5.1	3.4	2.7
Cholecystectomy	43	2.3	2.0	*	2.3	3.8	*	4.7	5.1	*
Hysterectomy	28	3.6	0.6	*	3.6	1.3	*	3.6	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

VIRGINIA BEACH GENERAL HOSPITAL

1060 First Colonial Rd
Virginia Beach, VA 23454

Medicare Provider Number: 490057

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,368	7.1	8.3	0.8	11.2	12.9	1.0	14.6	16.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	47	21.3	28.5	*	21.3	32.1	*	27.7	35.6	*
Congestive Heart Failure	99	14.1	15.2	3.7	22.2	23.9	4.7	27.3	31.1	7.6
Pneumonia/Influenza	85	8.2	15.3	7.8	15.3	20.8	8.4	18.8	25.4	8.5
Chronic Obstructive Pulmonary Disease	34	5.9	5.9	*	17.6	10.1	*	23.5	13.9	*
Transient Cerebral Ischemia	54	0.0	1.9	2.4	1.9	4.3	3.2	1.9	7.0	4.8
Stroke	75	18.7	21.8	5.5	25.3	28.1	6.0	32.0	32.5	5.5
Hip Fracture	64	4.7	7.2	3.4	7.8	12.9	4.7	12.5	16.6	5.1
Sepsis	27	29.6	32.5	*	40.7	41.6	*	48.1	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	3.4	*	5.0	7.2	*	10.0	10.7	*
Carotid Endarterectomy	36	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	39	2.6	4.2	*	5.1	8.0	*	5.1	10.5	*
Open Reduction of Hip Fracture	28	3.6	7.1	*	7.1	13.2	*	17.9	17.2	*
Prostatectomy	53	0.0	0.9	2.0	1.9	2.3	3.1	5.7	3.8	3.7
Cholecystectomy	41	2.4	1.6	*	2.4	2.8	*	7.3	3.9	*
Hysterectomy	18	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	245
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	276
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	0
Registered Nurses	299
Licensed Practical Nurses	61

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

VIRGINIA BEACH GENERAL HOSPITAL

Medicare Provider Number: 490057

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,260	8.8	8.2	0.8	13.3	12.7	0.9	16.5	16.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	50	34.0	29.0	*	38.0	32.8	*	38.0	36.6	*
Congestive Heart Failure	89	12.4	15.2	4.7	25.8	23.5	4.8	32.6	30.5	5.2
Pneumonia/Influenza	108	16.7	18.9	6.2	20.4	25.5	6.7	26.9	30.5	6.3
Chronic Obstructive Pulmonary Disease	24	4.2	5.7	*	8.3	10.9	*	16.7	15.2	*
Transient Cerebral Ischemia	36	2.8	1.9	*	13.9	4.1	*	16.7	6.4	*
Stroke	85	20.0	20.9	4.7	29.4	27.7	5.8	32.9	32.3	5.1
Hip Fracture	57	15.8	8.0	5.9	19.3	14.3	5.9	21.1	18.1	5.6
Sepsis	19	15.8	23.9	*	31.6	31.1	*	31.6	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	4.9	*	0.0	8.3	*	0.0	11.1	*
Carotid Endarterectomy	29	3.4	1.2	*	3.4	2.4	*	3.4	3.6	*
Hip Replacement/Reconstruction	35	14.3	5.0	*	17.1	9.4	*	17.1	12.0	*
Open Reduction of Hip Fracture	26	11.5	6.7	*	11.5	12.4	*	11.5	16.0	*
Prostatectomy	67	1.5	1.2	1.5	4.5	3.1	2.4	4.5	5.3	2.9
Cholecystectomy	42	2.4	2.0	*	2.4	3.4	*	2.4	4.3	*
Hysterectomy	18	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,134	7.3	8.8	0.9	11.9	13.5	1.0	15.7	17.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	49	36.7	33.7	*	44.9	37.4	*	46.9	40.9	*
Congestive Heart Failure	89	15.7	15.6	4.6	27.0	23.9	6.7	32.6	30.9	6.0
Pneumonia/Influenza	92	13.0	18.0	4.9	15.2	24.2	6.5	19.6	29.1	7.3
Chronic Obstructive Pulmonary Disease	25	0.0	5.1	*	0.0	9.8	*	4.0	13.8	*
Transient Cerebral Ischemia	32	3.1	2.1	*	3.1	4.4	*	6.3	6.8	*
Stroke	72	12.5	21.8	7.0	16.7	28.5	7.3	20.8	33.2	7.9
Hip Fracture	57	1.8	6.7	5.9	7.0	11.9	8.0	10.5	15.3	8.8
Sepsis	16	18.8	32.5	*	37.5	39.6	*	37.5	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	3.0	*	6.3	5.9	*	6.3	8.5	*
Carotid Endarterectomy	30	3.3	1.6	*	3.3	3.0	*	3.3	4.3	*
Hip Replacement/Reconstruction	34	0.0	3.1	*	0.0	5.9	*	2.9	7.8	*
Open Reduction of Hip Fracture	33	3.0	5.5	*	9.1	10.3	*	9.1	13.4	*
Prostatectomy	56	1.8	0.9	1.8	5.4	2.3	3.3	5.4	3.8	4.5
Cholecystectomy	35	0.0	2.6	*	0.0	4.8	*	0.0	6.3	*
Hysterectomy	11	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

333.1

1060 First Colonial Road
Virginia Beach, Virginia 23454
804.481.8000

VIRGINIA BEACH
GENERAL HOSPITAL
A Tidewater Health Care Facility

Medicare Provider Number: 490057

January 11, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We would like to take this opportunity to voice our concerns about the presentation of data provided by the 1989 Medicare Hospital Mortality Information. Furthermore, we would like to make corrections to the data reported in Enclosure C as it pertains specifically to Virginia Beach General Hospital.

Whereas we agree that it is important to collect accurate and quantifiable information concerning mortality, it is a concern to us that the information may be difficult to understand for those without a working knowledge of statistics. We are also particularly sensitive to the release of statistical data about categories for which the number of cases is so small that standard deviations could not be calculated.

The 30, 90 and 180 days mortality rates are very interesting and useful for in-house analysis, however, the press or other casual observer may interpret these statistics incorrectly. The possibility exists that factors outside the hospital's sphere of control may have contributed to an individual's death. We would like to illuminate this fact with the following examples:

1. Whereas one of our Medicare patients [redacted] had a prostatectomy and died approximately 75 days later, he actually died as a result of cardiopulmonary arrest. Therefore, the observed mortality rate at 90 days for prostatectomy at Virginia Beach General Hospital was 0.0 rather than 1.9 as reported in Enclosure C.

Tidewater Health Care, Inc.
Virginia Beach General Hospital · Bayside General Hospital · Beach Health Services · Tidewater Health Services
Virginia Beach Health Foundation, Ltd. · Managed Care · Tidewater Business Health Services · HealthQuest
Physician Services of Hampton Roads · At Home Care · HomeLab Health Care · The Urgency Care Center · Ask A Nu

2. Our research also indicates that another Medicare patient [redacted] had a prostatectomy and died approximately 116 days later, but he died as a result of pulmonary embolus. The observed mortality rate at 180 days for prostatectomy at our facility should therefore have been recorded as 1.9 rather than 5.7 in Enclosure C.

It was impractical for our staff to discover the actual cause of death for every Medicare patient reported in Enclosure D, so the number of patients who were improperly categorized remains unknown. However, it would be greatly appreciated if the errors noted above were rectified. An additional correction is also necessary in the Hospital Characteristics section of Enclosure C: Virginia Beach General Hospital had 263 beds in 1989, not 245.

Thank you for your attention. If you have any questions concerning our comments, please contact Lori Pycior Wright at (804) 496-6250.

Sincerely,

Robert L. Graves
Administrator

WARREN MEMORIAL HOSPITAL

1000 Shenandoah Ave
Front Royal, VA 22630

Medicare Provider Number: 490033

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	616	11.2	8.7	1.7	15.3	13.0	1.9	18.8	16.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	20	30.0	20.1	*	35.0	22.8	*	35.0	25.4	*
Congestive Heart Failure	33	21.2	11.8	*	27.3	18.8	*	30.3	24.8	*
Pneumonia/Influenza	34	17.6	15.1	*	23.5	21.0	*	29.4	25.6	*
Chronic Obstructive Pulmonary Disease	5	20.0	3.2	*	20.0	5.8	*	20.0	8.1	*
Transient Cerebral Ischemia	7	0.0	1.3	*	0.0	2.6	*	0.0	4.0	*
Stroke	28	21.4	18.5	*	25.0	25.8	*	25.0	30.4	*
Hip Fracture	24	4.2	3.5	*	16.7	6.7	*	25.0	9.0	*
Sepsis	6	33.3	31.3	*	33.3	39.3	*	50.0	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.9	*	0.0	5.7	*	0.0	8.2	*
Carotid Endarterectomy	5	0.0	1.7	*	0.0	3.3	*	0.0	4.7	*
Hip Replacement/Reconstruction	10	0.0	2.7	*	0.0	5.2	*	10.0	7.0	*
Open Reduction of Hip Fracture	13	7.7	3.3	*	30.8	6.5	*	38.5	8.9	*
Prostatectomy	16	6.3	0.9	*	6.3	2.0	*	6.3	3.3	*
Cholecystectomy	17	0.0	1.1	*	5.9	1.8	*	5.9	2.4	*
Hysterectomy	5	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	112
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	37
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	54
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WARREN MEMORIAL HOSPITAL

Medicare Provider Number: 490033

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	597	12.1	11.3	1.6	17.6	16.5	1.8	21.3	20.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	22	45.5	28.9	*	50.0	32.1	*	50.0	35.5	*
Congestive Heart Failure	25	16.0	17.6	*	28.0	26.0	*	28.0	33.1	*
Pneumonia/Influenza	36	11.1	16.4	*	22.2	22.0	*	25.0	26.4	*
Chronic Obstructive Pulmonary Disease	3	0.0	7.0	*	0.0	12.5	*	0.0	17.8	*
Transient Cerebral Ischemia	10	0.0	1.5	*	0.0	3.0	*	0.0	4.6	*
Stroke	22	22.7	25.4	*	22.7	31.1	*	36.4	35.4	*
Hip Fracture	13	0.0	7.2	*	7.7	13.6	*	23.1	18.2	*
Sepsis	6	0.0	26.3	*	0.0	33.0	*	33.3	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	15.7	*	16.7	19.7	*	16.7	23.4	*
Carotid Endarterectomy	4	25.0	1.3	*	25.0	2.4	*	25.0	3.6	*
Hip Replacement/Reconstruction	7	0.0	5.9	*	0.0	11.6	*	14.3	15.6	*
Open Reduction of Hip Fracture	5	0.0	7.6	*	20.0	15.9	*	40.0	22.5	*
Prostatectomy	16	6.3	0.8	*	6.3	1.9	*	6.3	3.1	*
Cholecystectomy	15	0.0	1.9	*	0.0	3.3	*	0.0	4.3	*
Hysterectomy	4	0.0	4.3	*	0.0	9.3	*	25.0	13.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	615	12.0	9.6	1.8	16.9	14.5	2.0	20.7	18.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	20	35.0	30.3	*	35.0	33.2	*	40.0	36.3	*
Congestive Heart Failure	34	26.5	15.9	*	32.4	23.0	*	38.2	29.3	*
Pneumonia/Influenza	29	20.7	16.3	*	24.1	22.5	*	27.6	27.1	*
Chronic Obstructive Pulmonary Disease	5	0.0	9.5	*	0.0	16.3	*	40.0	22.0	*
Transient Cerebral Ischemia	15	0.0	2.2	*	6.7	4.8	*	6.7	7.4	*
Stroke	37	32.4	20.9	*	43.2	28.8	*	45.9	33.5	*
Hip Fracture	20	5.0	5.8	*	5.0	10.5	*	10.0	13.7	*
Sepsis	7	14.3	36.4	*	28.6	45.2	*	57.1	52.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	4.8	*	12.5	9.2	*	25.0	13.0	*
Carotid Endarterectomy	2	0.0	2.2	*	0.0	4.3	*	0.0	6.3	*
Hip Replacement/Reconstruction	13	0.0	5.0	*	0.0	9.0	*	7.7	11.7	*
Open Reduction of Hip Fracture	8	12.5	4.6	*	12.5	9.1	*	12.5	12.3	*
Prostatectomy	26	0.0	1.0	*	0.0	2.4	*	3.8	4.2	*
Cholecystectomy	19	5.3	3.5	*	10.5	6.5	*	10.5	8.6	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WESTERN STATE HOSPITAL

P O Box 2500
Staunton, VA 24401

Medicare Provider Number: 490106

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	117	3.4	5.9	2.4	8.5	9.3	3.1	9.4	12.4	3.7
CONDITIONS:										
Acute Myocardial Infarction	3	0.0	25.9	*	0.0	30.3	*	0.0	34.5	*
Congestive Heart Failure	0									
Pneumonia/Influenza	7	0.0	13.5	*	28.6	18.8	*	28.6	23.4	*
Chronic Obstructive Pulmonary Disease	3	0.0	4.2	*	0.0	8.9	*	0.0	13.1	*
Transient Cerebral Ischemia	0									
Stroke	2	0.0	12.7	*	50.0	16.9	*	50.0	20.5	*
Hip Fracture	0									
Sepsis	1	0.0	13.3	*	0.0	18.4	*	0.0	21.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	707
Occupancy Rate	91
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	20
Percent of Physicians Board Certified Specialists	55
Medical Residents/Interns	0
Registered Nurses	85
Licensed Practical Nurses	111

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WESTERN STATE HOSPITAL

Medicare Provider Number: 490106

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	111	9.0	8.3	2.7	14.4	12.9	4.9	19.8	16.6	5.9
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	27.3	*	100.0	32.2	*	100.0	36.7	*
Congestive Heart Failure	1	0.0	16.5	*	0.0	26.8	*	0.0	34.9	*
Pneumonia/Influenza	14	28.6	14.4	*	35.7	20.0	*	35.7	24.2	*
Chronic Obstructive Pulmonary Disease	2	0.0	7.8	*	0.0	14.5	*	0.0	20.5	*
Transient Cerebral Ischemia	0									
Stroke	1	0.0	33.8	*	100.0	47.0	*	100.0	55.2	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	132	3.8	7.0	4.2	6.8	10.8	4.7	12.1	13.8	4.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	22.6	*	0.0	33.3	*	0.0	41.4	*
Pneumonia/Influenza	20	5.0	15.2	*	15.0	20.9	*	20.0	25.6	*
Chronic Obstructive Pulmonary Disease	4	0.0	7.0	*	0.0	11.9	*	50.0	15.9	*
Transient Cerebral Ischemia	1	0.0	2.2	*	0.0	5.0	*	100.0	8.1	*
Stroke	1	0.0	21.3	*	0.0	27.2	*	0.0	31.8	*
Hip Fracture	0									
Sepsis	1	100.0	25.8	*	100.0	30.1	*	100.0	35.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WILLIAMSBURG COMMUNITY HOSPITAL

1238 Mount Vernon Avenue
Williamsburg, VA 23185

Medicare Provider Number: 490066

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,084	7.4	8.1	1.0	11.7	12.7	1.3	14.3	16.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	31	29.0	25.4	*	32.3	29.0	*	32.3	32.5	*
Congestive Heart Failure	61	11.5	14.7	5.7	18.0	22.3	6.5	26.2	29.0	6.6
Pneumonia/Influenza	49	18.4	14.8	*	24.5	20.1	*	26.5	24.5	*
Chronic Obstructive Pulmonary Disease	4	0.0	9.6	*	0.0	15.6	*	25.0	20.7	*
Transient Cerebral Ischemia	20	0.0	1.9	*	0.0	4.3	*	5.0	7.1	*
Stroke	39	12.8	17.8	*	28.2	24.2	*	30.8	28.3	*
Hip Fracture	28	3.6	6.2	*	7.1	11.0	*	14.3	14.1	*
Sepsis	2	0.0	21.8	*	0.0	28.6	*	50.0	36.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	4.4	*	20.0	9.6	*	20.0	14.6	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	14	7.1	2.1	*	7.1	3.8	*	7.1	5.2	*
Open Reduction of Hip Fracture	15	0.0	4.2	*	6.7	8.1	*	20.0	11.0	*
Prostatectomy	44	0.0	0.5	*	2.3	1.1	*	2.3	2.0	*
Cholecystectomy	27	0.0	1.8	*	3.7	3.0	*	3.7	4.0	*
Hysterectomy	4	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	101
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	73
Percent of Physicians Board Certified Specialists	89
Medical Residents/Interns	0
Registered Nurses	147
Licensed Practical Nurses	21

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WILLIAMSBURG COMMUNITY HOSPITAL

Medicare Provider Number: 490066

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,040	8.8	8.1	1.0	12.2	12.3	1.0	15.0	15.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	31	32.3	24.9	*	35.5	28.2	*	38.7	31.7	*
Congestive Heart Failure	51	13.7	14.4	5.2	19.6	22.2	7.0	25.5	28.8	7.2
Pneumonia/Influenza	44	13.6	13.6	*	18.2	18.9	*	20.5	23.0	*
Chronic Obstructive Pulmonary Disease	5	0.0	4.9	*	0.0	9.7	*	20.0	14.1	*
Transient Cerebral Ischemia	21	0.0	2.3	*	0.0	5.2	*	4.8	8.4	*
Stroke	41	22.0	21.1	*	24.4	28.1	*	24.4	32.7	*
Hip Fracture	17	5.9	5.4	*	11.8	10.1	*	11.8	13.4	*
Sepsis	6	0.0	33.7	*	0.0	38.6	*	0.0	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	24.1	*	0.0	27.5	*	0.0	30.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	2.3	*	0.0	4.4	*	0.0	6.1	*
Open Reduction of Hip Fracture	9	0.0	4.9	*	11.1	9.5	*	11.1	12.6	*
Prostatectomy	40	0.0	0.8	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	28	7.1	2.3	*	7.1	4.5	*	10.7	6.3	*
Hysterectomy	7	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,038	6.9	7.4	1.0	11.5	11.5	1.1	12.7	14.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	29	20.7	20.0	*	24.1	23.1	*	24.1	26.3	*
Congestive Heart Failure	33	12.1	17.1	*	24.2	25.7	*	30.3	32.8	*
Pneumonia/Influenza	50	14.0	14.4	*	18.0	19.7	*	18.0	24.1	*
Chronic Obstructive Pulmonary Disease	6	0.0	11.6	*	0.0	19.6	*	16.7	25.1	*
Transient Cerebral Ischemia	14	0.0	1.6	*	7.1	3.1	*	7.1	4.8	*
Stroke	31	29.0	21.8	*	29.0	27.3	*	32.3	31.3	*
Hip Fracture	29	6.9	5.0	*	17.2	9.6	*	17.2	12.9	*
Sepsis	4	0.0	27.6	*	0.0	32.8	*	0.0	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.1	*	0.0	4.7	*	0.0	7.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	4.2	*	0.0	8.0	*	0.0	10.7	*
Open Reduction of Hip Fracture	18	5.6	4.1	*	22.2	8.3	*	22.2	11.6	*
Prostatectomy	40	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*
Cholecystectomy	19	0.0	1.2	*	0.0	2.1	*	0.0	2.8	*
Hysterectomy	6	0.0	0.4	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WINCHESTER MEDICAL CENTER INC

1840 Amherst St
Winchester, VA 22601

Medicare Provider Number: 490005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,237	8.5	8.7	0.6	13.3	13.2	0.7	16.7	16.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	127	26.8	26.7	5.4	32.3	29.8	5.7	34.6	33.2	4.4
Congestive Heart Failure	213	12.2	14.3	5.2	21.1	22.1	4.9	27.7	28.8	4.5
Pneumonia/Influenza	117	15.4	14.3	3.4	19.7	19.8	3.7	22.2	24.1	5.4
Chronic Obstructive Pulmonary Disease	56	1.8	5.0	5.3	10.7	9.9	4.1	14.3	14.4	4.7
Transient Cerebral Ischemia	59	1.7	1.7	1.7	1.7	3.8	3.0	1.7	6.0	4.7
Stroke	131	16.0	19.0	4.2	25.2	25.5	5.1	30.5	29.8	4.1
Hip Fracture	88	8.0	5.6	4.1	13.6	10.1	5.7	14.8	13.2	6.1
Sepsis	30	36.7	24.2	*	46.7	32.0	*	46.7	37.9	*
PROCEDURES:										
Angioplasty	47	4.3	4.1	*	10.6	5.5	*	12.8	7.0	*
Coronary Artery Bypass Graft	63	14.3	6.5	3.9	23.8	9.1	5.3	27.0	10.7	5.7
Initial Pacemaker Insertion	36	5.6	3.7	*	8.3	6.7	*	13.9	9.7	*
Carotid Endarterectomy	8	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	71	2.8	2.6	2.2	4.2	5.0	2.7	5.6	6.9	3.2
Open Reduction of Hip Fracture	37	8.1	5.5	*	16.2	10.2	*	16.2	13.5	*
Prostatectomy	96	1.0	0.8	1.3	2.1	2.1	1.7	4.2	3.6	2.0
Cholecystectomy	40	5.0	4.5	*	10.0	7.5	*	12.5	9.2	*
Hysterectomy	21	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	362
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	149
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	391
Licensed Practical Nurses	72

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WINCHESTER MEDICAL CENTER INC

Medicare Provider Number: 490005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,095	8.4	8.3	0.5	12.7	12.7	0.6	16.1	16.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	93	37.6	28.8	8.6	40.9	31.8	8.8	44.1	35.2	9.1
Congestive Heart Failure	189	18.5	15.5	3.3	28.0	23.5	4.0	36.0	30.1	5.2
Pneumonia/Influenza	117	12.0	15.2	4.4	18.8	20.9	4.9	21.4	25.4	6.8
Chronic Obstructive Pulmonary Disease	49	10.2	5.0	*	12.2	9.9	*	14.3	14.2	*
Transient Cerebral Ischemia	81	2.5	1.8	1.6	4.9	4.0	2.4	6.2	6.3	2.8
Stroke	106	16.0	20.6	6.9	22.6	27.3	6.4	29.2	31.9	6.1
Hip Fracture	79	2.5	5.4	3.3	6.3	10.0	4.2	10.1	13.0	4.1
Sepsis	38	10.5	23.5	*	15.8	31.2	*	23.7	37.1	*
PROCEDURES:										
Angioplasty	18	0.0	4.7	*	0.0	5.6	*	5.6	6.8	*
Coronary Artery Bypass Graft	55	9.1	7.3	3.9	12.7	9.9	4.4	18.2	11.6	6.2
Initial Pacemaker Insertion	22	13.6	8.6	*	18.2	12.8	*	22.7	15.6	*
Carotid Endarterectomy	13	7.7	1.4	*	7.7	2.8	*	7.7	4.1	*
Hip Replacement/Reconstruction	63	0.0	2.9	2.8	3.2	5.3	3.4	4.8	7.0	3.5
Open Reduction of Hip Fracture	31	6.5	4.8	*	6.5	9.5	*	9.7	12.8	*
Prostatectomy	85	1.2	1.0	1.1	1.2	2.3	1.9	1.2	3.8	2.9
Cholecystectomy	46	0.0	2.7	*	6.5	5.0	*	6.5	6.6	*
Hysterectomy	17	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,092	7.5	7.8	0.5	12.3	12.1	0.6	15.6	15.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	85	23.5	28.0	5.6	28.2	31.5	5.6	30.6	35.0	5.9
Congestive Heart Failure	173	12.7	15.0	3.0	24.3	22.5	3.5	33.5	29.1	4.4
Pneumonia/Influenza	109	16.5	15.2	3.6	22.0	20.9	5.6	25.7	25.6	4.2
Chronic Obstructive Pulmonary Disease	54	1.9	5.3	4.2	7.4	10.0	4.9	7.4	14.2	7.4
Transient Cerebral Ischemia	78	0.0	1.5	1.8	1.3	3.3	2.3	1.3	5.1	3.3
Stroke	136	19.1	20.8	3.8	24.3	27.6	4.1	30.1	32.1	4.1
Hip Fracture	88	6.8	5.6	2.9	10.2	10.4	3.3	13.6	13.9	3.7
Sepsis	37	18.9	20.3	*	29.7	28.6	*	32.4	34.5	*
PROCEDURES:										
Angioplasty	18	5.6	4.8	*	5.6	5.7	*	11.1	6.9	*
Coronary Artery Bypass Graft	40	10.0	6.3	*	22.5	8.4	*	25.0	9.7	*
Initial Pacemaker Insertion	37	5.4	3.4	*	13.5	7.3	*	16.2	11.1	*
Carotid Endarterectomy	18	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	73	2.7	3.2	3.0	4.1	6.1	4.1	5.5	8.2	5.2
Open Reduction of Hip Fracture	24	4.2	5.7	*	12.5	11.2	*	12.5	15.1	*
Prostatectomy	87	1.1	0.7	1.0	2.3	1.8	1.8	4.6	3.1	2.6
Cholecystectomy	38	0.0	2.3	*	2.6	4.1	*	2.6	5.1	*
Hysterectomy	21	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WISE APPALACHIAN REGIONAL HOSPITAL

Wise, VA 24293

Medicare Provider Number: 490010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	391	6.1	6.9	1.5	9.2	11.0	1.9	13.8	14.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	10	10.0	18.6	*	10.0	22.9	*	20.0	26.4	*
Congestive Heart Failure	16	6.3	12.3	*	18.8	19.7	*	31.3	26.1	*
Pneumonia/Influenza	19	5.3	11.5	*	15.8	16.5	*	26.3	20.3	*
Chronic Obstructive Pulmonary Disease	12	0.0	3.6	*	8.3	7.1	*	8.3	10.3	*
Transient Cerebral Ischemia	2	0.0	2.2	*	0.0	5.2	*	0.0	8.4	*
Stroke	8	0.0	17.2	*	0.0	22.8	*	12.5	26.9	*
Hip Fracture	20	5.0	5.0	*	5.0	9.2	*	5.0	12.0	*
Sepsis	3	33.3	24.8	*	66.7	30.4	*	66.7	35.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	3.1	*	9.1	6.0	*	9.1	8.2	*
Open Reduction of Hip Fracture	11	9.1	5.3	*	9.1	10.1	*	9.1	13.2	*
Prostatectomy	17	0.0	1.4	*	0.0	3.2	*	0.0	5.3	*
Cholecystectomy	10	0.0	2.2	*	0.0	3.7	*	0.0	4.8	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	67
Occupancy Rate	42
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	34
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WISE APPALACHIAN REGIONAL HOSPITAL

Medicare Provider Number: 490010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	374	3.2	7.7	2.2	7.0	12.0	2.6	11.0	15.5	2.5
CONDITIONS:										
Acute Myocardial Infarction	13	0.0	18.9	*	0.0	22.6	*	0.0	26.4	*
Congestive Heart Failure	17	5.9	11.0	*	17.6	17.4	*	35.3	23.1	*
Pneumonia/Influenza	22	9.1	13.0	*	9.1	17.3	*	9.1	20.9	*
Chronic Obstructive Pulmonary Disease	7	0.0	6.4	*	0.0	12.1	*	0.0	17.4	*
Transient Cerebral Ischemia	4	0.0	1.8	*	0.0	3.9	*	0.0	6.3	*
Stroke	2	0.0	12.0	*	0.0	17.6	*	50.0	21.5	*
Hip Fracture	20	0.0	5.6	*	15.0	10.0	*	20.0	12.9	*
Sepsis	7	0.0	27.8	*	0.0	36.9	*	0.0	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.2	*	28.6	11.4	*	28.6	14.5	*
Open Reduction of Hip Fracture	11	0.0	4.6	*	9.1	8.7	*	18.2	11.5	*
Prostatectomy	22	0.0	1.3	*	4.5	3.1	*	9.1	5.0	*
Cholecystectomy	5	0.0	3.9	*	0.0	6.0	*	0.0	7.2	*
Hysterectomy	2	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	433	4.2	7.5	1.6	6.5	11.5	2.2	9.5	14.7	2.4
CONDITIONS:										
Acute Myocardial Infarction	18	16.7	35.3	*	22.2	38.7	*	22.2	42.9	*
Congestive Heart Failure	22	4.5	12.2	*	13.6	19.8	*	22.7	26.0	*
Pneumonia/Influenza	25	16.0	17.6	*	16.0	23.8	*	20.0	28.3	*
Chronic Obstructive Pulmonary Disease	15	0.0	6.5	*	0.0	12.7	*	6.7	17.7	*
Transient Cerebral Ischemia	9	0.0	1.9	*	0.0	3.9	*	0.0	6.0	*
Stroke	7	0.0	16.4	*	0.0	23.4	*	14.3	28.3	*
Hip Fracture	13	15.4	6.2	*	23.1	11.4	*	23.1	14.7	*
Sepsis	3	0.0	27.1	*	0.0	36.8	*	0.0	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	20.0	5.7	*	20.0	10.5	*	20.0	13.7	*
Open Reduction of Hip Fracture	5	0.0	3.5	*	20.0	7.3	*	20.0	10.2	*
Prostatectomy	15	0.0	1.0	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy	8	0.0	3.9	*	0.0	7.5	*	12.5	9.7	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WYTHE COUNTY COMMUNITY HOSPITAL

600 W Ridge Rd
Wytheville, VA 24382

Medicare Provider Number: 490111

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	888	9.7	10.4	1.2	15.2	15.3	1.5	18.8	19.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	42	19.0	26.9	*	28.6	29.6	*	31.0	32.8	*
Congestive Heart Failure	47	17.0	14.0	*	27.7	21.5	*	34.0	28.0	*
Pneumonia/Influenza	140	12.1	17.2	4.2	18.6	23.2	4.2	26.4	28.0	3.9
Chronic Obstructive Pulmonary Disease	9	0.0	4.7	*	0.0	8.2	*	0.0	11.3	*
Transient Cerebral Ischemia	13	0.0	2.3	*	7.7	5.1	*	15.4	8.2	*
Stroke	47	25.5	19.1	*	27.7	25.7	*	31.9	29.9	*
Hip Fracture	10	0.0	6.5	*	10.0	11.7	*	10.0	15.3	*
Sepsis	10	20.0	30.3	*	30.0	39.8	*	50.0	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	1.4	*	0.0	2.8	*	0.0	3.9	*
Open Reduction of Hip Fracture	2	0.0	5.8	*	0.0	12.4	*	0.0	17.8	*
Prostatectomy	15	6.7	1.1	*	6.7	2.8	*	6.7	4.8	*
Cholecystectomy	20	0.0	3.3	*	5.0	5.6	*	5.0	6.7	*
Hysterectomy	1	0.0	0.0	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	106
Occupancy Rate	68
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	24
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WYTHE COUNTY COMMUNITY HOSPITAL

Medicare Provider Number: 490111

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	886	8.0	10.3	1.5	12.2	14.8	1.8	15.8	18.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	39	35.9	31.7	*	38.5	34.8	*	41.0	38.3	*
Congestive Heart Failure	60	5.0	15.9	6.5	8.3	24.0	8.4	16.7	30.8	8.4
Pneumonia/Influenza	141	6.4	16.1	4.3	14.2	21.7	4.5	17.7	26.0	4.6
Chronic Obstructive Pulmonary Disease	7	0.0	3.7	*	0.0	7.4	*	14.3	10.7	*
Transient Cerebral Ischemia	18	0.0	1.6	*	0.0	3.4	*	5.6	5.2	*
Stroke	34	14.7	17.3	*	17.6	23.2	*	29.4	27.4	*
Hip Fracture	13	0.0	5.5	*	7.7	9.6	*	7.7	12.3	*
Sepsis	6	66.7	38.9	*	66.7	47.0	*	83.3	52.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	2.5	*	11.1	4.7	*	11.1	6.2	*
Open Reduction of Hip Fracture	6	0.0	5.1	*	16.7	9.3	*	16.7	12.0	*
Prostatectomy	13	0.0	1.0	*	0.0	2.6	*	7.7	4.4	*
Cholecystectomy	23	0.0	2.7	*	4.3	4.8	*	4.3	6.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	702	12.1	11.1	1.8	17.0	16.0	1.9	20.2	19.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	31	41.9	35.1	*	41.9	39.4	*	51.6	43.3	*
Congestive Heart Failure	50	22.0	16.4	*	34.0	24.7	*	34.0	31.5	*
Pneumonia/Influenza	97	19.6	17.0	7.2	25.8	22.9	6.8	29.9	27.6	6.2
Chronic Obstructive Pulmonary Disease	8	12.5	9.8	*	25.0	16.8	*	25.0	22.7	*
Transient Cerebral Ischemia	18	0.0	2.6	*	5.6	5.7	*	11.1	9.2	*
Stroke	44	15.9	17.5	*	22.7	24.1	*	34.1	28.4	*
Hip Fracture	1	100.0	18.0	*	100.0	32.3	*	100.0	40.6	*
Sepsis	8	37.5	31.2	*	37.5	39.3	*	37.5	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	43.7	*	100.0	62.2	*	100.0	70.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	15	6.7	1.4	*	6.7	3.5	*	6.7	5.8	*
Cholecystectomy	14	0.0	1.7	*	0.0	3.0	*	0.0	3.8	*
Hysterectomy	2	0.0	0.0	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

West Virginia

BECKLEY APPALACHIAN REGIONAL HOSPITAL

306 Stanaford Rd
Beckley, WV 25801

Medicare Provider Number: 510062

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,114	7.9	6.8	1.1	12.0	10.8	1.1	14.8	14.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	23	30.4	23.2	*	30.4	25.4	*	30.4	27.9	*
Congestive Heart Failure	41	14.6	12.6	*	26.8	19.9	*	31.7	26.3	*
Pneumonia/Influenza	39	20.5	17.8	*	28.2	24.5	*	30.8	29.5	*
Chronic Obstructive Pulmonary Disease	11	0.0	3.9	*	0.0	7.6	*	0.0	10.9	*
Transient Cerebral Ischemia	8	0.0	1.4	*	0.0	3.1	*	0.0	4.9	*
Stroke	30	13.3	19.0	*	20.0	26.3	*	23.3	30.9	*
Hip Fracture	9	0.0	7.6	*	0.0	13.3	*	11.1	16.8	*
Sepsis	13	38.5	19.8	*	38.5	28.2	*	38.5	35.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	3.5	*	20.0	7.1	*	20.0	10.5	*
Carotid Endarterectomy	5	0.0	1.6	*	20.0	2.7	*	20.0	4.1	*
Hip Replacement/Reconstruction	8	0.0	3.6	*	0.0	6.9	*	0.0	9.1	*
Open Reduction of Hip Fracture	5	0.0	6.5	*	0.0	11.4	*	20.0	14.4	*
Prostatectomy	16	0.0	1.3	*	0.0	3.4	*	0.0	6.0	*
Cholecystectomy	31	6.5	1.5	*	6.5	2.3	*	6.5	3.0	*
Hysterectomy	4	0.0	1.1	*	0.0	2.4	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	221
Occupancy Rate	41
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	48
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	54
Licensed Practical Nurses	47

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BECKLEY APPALACHIAN REGIONAL HOSPITAL

Medicare Provider Number: 510062

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,067	7.8	6.3	1.2	12.2	9.8	1.3	14.6	12.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	27	33.3	29.3	*	33.3	32.6	*	37.0	36.1	*
Congestive Heart Failure	38	15.8	13.6	*	21.1	21.1	*	26.3	27.5	*
Pneumonia/Influenza	43	27.9	18.3	*	34.9	24.9	*	34.9	30.0	*
Chronic Obstructive Pulmonary Disease	15	0.0	6.2	*	6.7	10.1	*	6.7	13.4	*
Transient Cerebral Ischemia	11	0.0	2.2	*	0.0	4.5	*	0.0	7.0	*
Stroke	33	12.1	19.4	*	21.2	25.8	*	24.2	30.1	*
Hip Fracture	7	14.3	6.6	*	28.6	12.1	*	28.6	15.7	*
Sepsis	2	50.0	29.4	*	50.0	41.8	*	50.0	48.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	8.0	*	0.0	10.2	*	0.0	12.5	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	7	14.3	2.6	*	14.3	5.1	*	14.3	7.0	*
Open Reduction of Hip Fracture	1	0.0	4.3	*	0.0	8.5	*	0.0	11.5	*
Prostatectomy	16	0.0	1.3	*	0.0	3.3	*	0.0	5.5	*
Cholecystectomy	19	0.0	1.3	*	5.3	2.1	*	5.3	2.7	*
Hysterectomy	5	20.0	1.4	*	20.0	3.3	*	20.0	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	900	8.4	7.7	1.3	12.6	11.7	1.3	14.8	14.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	30	33.3	30.6	*	43.3	34.4	*	43.3	37.9	*
Congestive Heart Failure	50	10.0	13.4	*	16.0	20.5	*	18.0	26.8	*
Pneumonia/Influenza	33	15.2	17.2	*	21.2	24.0	*	30.3	29.3	*
Chronic Obstructive Pulmonary Disease	14	14.3	9.9	*	14.3	15.5	*	21.4	20.1	*
Transient Cerebral Ischemia	8	0.0	1.6	*	0.0	3.4	*	0.0	5.4	*
Stroke	16	37.5	20.8	*	37.5	29.2	*	37.5	34.1	*
Hip Fracture	19	5.3	7.1	*	5.3	12.7	*	5.3	16.5	*
Sepsis	5	20.0	14.5	*	20.0	20.8	*	20.0	25.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.8	*	0.0	3.9	*	0.0	6.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.1	*	0.0	11.3	*	0.0	14.8	*
Open Reduction of Hip Fracture	7	14.3	6.7	*	14.3	12.8	*	14.3	17.1	*
Prostatectomy	10	0.0	0.7	*	0.0	1.6	*	10.0	2.8	*
Cholecystectomy	21	4.8	2.6	*	9.5	4.3	*	9.5	5.3	*
Hysterectomy	2	0.0	2.6	*	0.0	6.1	*	0.0	9.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BECKLEY HOSPITAL

1007 South Oakwood Ave
Beckley, WV 25801

Medicare Provider Number: 510066

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	987	12.0	10.1	1.4	16.5	14.6	1.8	20.4	18.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	52	28.8	27.6	6.4	30.8	30.4	6.4	34.6	33.6	6.6
Congestive Heart Failure	83	12.0	12.8	4.5	18.1	19.3	5.5	22.9	25.0	6.2
Pneumonia/Influenza	70	20.0	18.1	6.6	25.7	24.5	5.8	28.6	29.4	5.5
Chronic Obstructive Pulmonary Disease	27	0.0	6.8	*	0.0	11.4	*	3.7	15.5	*
Transient Cerebral Ischemia	38	5.3	1.9	*	5.3	4.3	*	7.9	7.0	*
Stroke	38	34.2	21.3	*	42.1	28.3	*	47.4	32.8	*
Hip Fracture	26	7.7	6.6	*	7.7	11.9	*	7.7	15.6	*
Sepsis	17	29.4	25.7	*	29.4	34.8	*	29.4	40.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.3	*	0.0	4.7	*	0.0	7.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	3.3	*	9.1	6.6	*	9.1	9.2	*
Open Reduction of Hip Fracture	15	6.7	6.3	*	6.7	11.6	*	6.7	15.2	*
Prostatectomy	26	0.0	1.9	*	0.0	3.3	*	0.0	4.7	*
Cholecystectomy	27	3.7	3.2	*	3.7	5.1	*	3.7	6.2	*
Hysterectomy	3	0.0	0.8	*	0.0	1.7	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	94
Occupancy Rate	62
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	30
Percent of Physicians Board Certified Specialists	50
Medical Residents/Interns	0
Registered Nurses	38
Licensed Practical Nurses	36

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BECKLEY HOSPITAL

Medicare Provider Number: 510066

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	948	12.8	10.6	1.4	18.4	15.3	1.6	21.2	19.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	38	26.3	27.7	*	31.6	30.9	*	34.2	34.3	*
Congestive Heart Failure	53	18.9	16.0	6.0	28.3	24.4	6.8	35.8	31.1	9.0
Pneumonia/Influenza	86	9.3	16.6	5.1	20.9	22.3	4.7	23.3	27.0	5.6
Chronic Obstructive Pulmonary Disease	25	8.0	7.7	*	16.0	13.2	*	20.0	17.9	*
Transient Cerebral Ischemia	31	3.2	1.8	*	6.5	4.0	*	9.7	6.2	*
Stroke	48	47.9	21.1	*	54.2	28.8	*	54.2	33.7	*
Hip Fracture	22	9.1	6.7	*	13.6	12.4	*	18.2	16.3	*
Sepsis	9	22.2	18.8	*	22.2	27.2	*	22.2	33.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.5	*	0.0	7.3	*	0.0	9.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	7.7	3.3	*	15.4	6.4	*	15.4	8.5	*
Open Reduction of Hip Fracture	9	0.0	5.0	*	0.0	10.3	*	11.1	14.4	*
Prostatectomy	27	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	21	4.8	2.3	*	4.8	4.1	*	4.8	5.6	*
Hysterectomy	5	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	911	12.3	10.7	1.7	17.9	15.4	2.0	20.6	19.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	39	41.0	31.8	*	48.7	34.8	*	51.3	38.0	*
Congestive Heart Failure	53	20.8	14.9	7.3	22.6	22.5	6.0	30.2	29.0	6.3
Pneumonia/Influenza	58	19.0	18.2	5.7	24.1	24.5	6.0	24.1	29.4	8.6
Chronic Obstructive Pulmonary Disease	18	16.7	17.9	*	22.2	25.9	*	27.8	31.2	*
Transient Cerebral Ischemia	26	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke	47	31.9	19.5	*	42.6	27.5	*	46.8	32.3	*
Hip Fracture	21	4.8	6.1	*	14.3	11.1	*	19.0	14.6	*
Sepsis	16	18.8	25.2	*	31.3	33.2	*	31.3	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.6	*	0.0	4.7	*	0.0	6.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	2.4	*	0.0	4.6	*	0.0	6.3	*
Open Reduction of Hip Fracture	10	10.0	5.6	*	30.0	10.6	*	30.0	13.9	*
Prostatectomy	25	0.0	0.8	*	12.0	2.1	*	16.0	3.5	*
Cholecystectomy	17	5.9	3.9	*	5.9	6.3	*	5.9	7.7	*
Hysterectomy	5	0.0	1.0	*	0.0	2.3	*	0.0	3.6	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BLUEFIELD REGIONAL MEDICAL CENTER

500 Cherry St
Bluefield, WV 24701

Medicare Provider Number: 510071

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,995	8.9	8.8	1.0	13.9	13.3	1.0	17.2	16.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	97	17.5	26.2	6.5	19.6	29.3	7.1	20.6	32.8	8.1
Congestive Heart Failure	71	16.9	13.8	6.2	31.0	22.2	10.9	38.0	29.2	10.4
Pneumonia/Influenza	86	14.0	15.6	4.4	19.8	21.2	4.6	23.3	25.6	5.2
Chronic Obstructive Pulmonary Disease	78	9.0	5.4	3.6	14.1	10.3	6.0	19.2	14.8	6.9
Transient Cerebral Ischemia	13	0.0	1.9	*	0.0	4.1	*	0.0	6.5	*
Stroke	65	15.4	18.1	5.2	26.2	24.2	5.5	27.7	28.5	6.5
Hip Fracture	60	1.7	6.4	4.4	5.0	11.4	6.4	8.3	14.9	6.7
Sepsis	28	17.9	24.5	*	25.0	33.4	*	28.6	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	4.6	*	10.5	7.8	*	10.5	10.6	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	39	2.6	4.6	*	5.1	8.6	*	10.3	11.4	*
Open Reduction of Hip Fracture	30	0.0	5.2	*	3.3	9.8	*	3.3	13.0	*
Prostatectomy	69	2.9	0.8	1.9	4.3	1.8	2.2	4.3	3.0	2.8
Cholecystectomy	79	5.1	3.3	2.6	7.6	5.7	3.4	10.1	7.4	4.6
Hysterectomy	18	0.0	0.7	*	5.6	1.6	*	5.6	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	265
Occupancy Rate	49
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	70
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	0
Registered Nurses	174
Licensed Practical Nurses	73

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BLUEFIELD REGIONAL MEDICAL CENTER

Medicare Provider Number: 510071

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,756	9.9	9.2	0.8	16.1	13.9	1.2	19.0	17.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	86	19.8	25.3	6.9	30.2	28.7	7.4	32.6	32.2	5.0
Congestive Heart Failure	61	13.1	12.4	4.6	26.2	19.0	8.2	31.1	24.9	8.2
Pneumonia/Influenza	79	12.7	14.5	4.8	15.2	20.1	7.7	16.5	24.6	10.2
Chronic Obstructive Pulmonary Disease	58	8.6	5.5	4.0	17.2	10.7	7.0	19.0	15.2	7.7
Transient Cerebral Ischemia	16	6.3	1.7	*	18.8	3.7	*	18.8	5.8	*
Stroke	61	23.0	21.1	5.5	29.5	27.1	6.1	31.1	31.5	7.9
Hip Fracture	49	4.1	6.3	*	12.2	11.4	*	18.4	14.8	*
Sepsis	16	31.3	19.9	*	37.5	28.0	*	37.5	34.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	30.0	5.7	*	30.0	8.7	*	30.0	11.5	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	28	3.6	3.9	*	10.7	7.8	*	10.7	10.6	*
Open Reduction of Hip Fracture	29	3.4	6.2	*	13.8	11.5	*	24.1	15.0	*
Prostatectomy	60	3.3	1.1	2.0	8.3	2.7	4.2	8.3	4.5	4.2
Cholecystectomy	60	3.3	3.5	2.4	10.0	6.5	4.3	11.7	8.5	5.7
Hysterectomy	14	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,675	9.0	9.1	0.8	13.7	13.7	1.0	18.0	17.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	94	24.5	29.4	7.8	30.9	32.9	7.1	34.0	36.6	5.9
Congestive Heart Failure	70	14.3	15.3	6.5	17.1	23.9	9.2	24.3	31.0	10.7
Pneumonia/Influenza	64	14.1	15.4	6.5	29.7	21.3	7.2	37.5	26.1	8.3
Chronic Obstructive Pulmonary Disease	40	12.5	7.6	*	20.0	14.3	*	22.5	19.9	*
Transient Cerebral Ischemia	12	0.0	2.0	*	8.3	4.4	*	16.7	7.1	*
Stroke	61	14.8	17.1	7.5	19.7	23.0	6.8	24.6	27.2	7.7
Hip Fracture	58	0.0	5.6	6.3	0.0	10.2	10.8	6.9	13.4	7.6
Sepsis	24	20.8	25.5	*	33.3	33.1	*	41.7	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	22.2	6.5	*	22.2	13.9	*	22.2	20.2	*
Carotid Endarterectomy	9	11.1	1.9	*	11.1	3.9	*	11.1	5.8	*
Hip Replacement/Reconstruction	32	0.0	4.1	*	0.0	7.7	*	3.1	10.2	*
Open Reduction of Hip Fracture	35	0.0	4.6	*	0.0	8.9	*	8.6	12.0	*
Prostatectomy	49	0.0	1.0	*	4.1	2.3	*	6.1	3.8	*
Cholecystectomy	73	2.7	3.4	3.0	2.7	5.8	3.8	5.5	7.4	3.8
Hysterectomy	21	4.8	0.9	*	9.5	2.0	*	9.5	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BOONE MEMORIAL HOSPITAL

701 Madison Ave
Madison, WV 25130

Medicare Provider Number: 510015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	259	15.1	11.3	3.5	18.5	16.5	2.8	21.2	20.9	2.6
CONDITIONS:										
Acute Myocardial Infarction	13	15.4	28.1	*	15.4	31.8	*	15.4	35.3	*
Congestive Heart Failure	13	30.8	15.4	*	30.8	24.5	*	38.5	31.7	*
Pneumonia/Influenza	24	12.5	17.2	*	20.8	23.1	*	25.0	27.8	*
Chronic Obstructive Pulmonary Disease	6	33.3	12.6	*	33.3	20.4	*	33.3	26.8	*
Transient Cerebral Ischemia	5	0.0	1.9	*	0.0	4.5	*	0.0	7.4	*
Stroke	9	33.3	27.3	*	33.3	35.8	*	44.4	41.5	*
Hip Fracture	0									
Sepsis	5	0.0	26.3	*	40.0	33.7	*	40.0	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	2.8	*	0.0	3.9	*	0.0	4.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	38
Occupancy Rate	40
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	32
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	0
Registered Nurses	17
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BOONE MEMORIAL HOSPITAL

Medicare Provider Number: 510015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	253	16.2	11.7	2.8	22.5	17.8	3.1	24.9	22.5	2.8
CONDITIONS:										
Acute Myocardial Infarction	9	11.1	26.9	*	11.1	30.0	*	11.1	33.4	*
Congestive Heart Failure	15	40.0	14.8	*	46.7	23.0	*	46.7	29.8	*
Pneumonia/Influenza	15	33.3	18.3	*	40.0	24.9	*	40.0	29.7	*
Chronic Obstructive Pulmonary Disease	10	0.0	5.2	*	10.0	9.0	*	10.0	12.6	*
Transient Cerebral Ischemia	5	0.0	2.6	*	0.0	5.7	*	0.0	9.1	*
Stroke	11	18.2	23.5	*	27.3	30.2	*	27.3	34.9	*
Hip Fracture	0									
Sepsis	6	50.0	32.3	*	66.7	40.1	*	66.7	47.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	283	13.4	10.9	2.7	19.4	16.6	2.8	23.7	21.4	2.9
CONDITIONS:										
Acute Myocardial Infarction	7	42.9	30.4	*	42.9	34.8	*	42.9	38.5	*
Congestive Heart Failure	17	17.6	14.6	*	29.4	22.1	*	35.3	28.6	*
Pneumonia/Influenza	24	29.2	17.8	*	33.3	24.2	*	37.5	29.5	*
Chronic Obstructive Pulmonary Disease	11	18.2	7.6	*	27.3	13.3	*	27.3	18.2	*
Transient Cerebral Ischemia	4	0.0	1.7	*	0.0	4.0	*	0.0	6.8	*
Stroke	5	0.0	22.8	*	0.0	29.7	*	0.0	34.6	*
Hip Fracture	0									
Sepsis	5	0.0	32.3	*	0.0	41.0	*	0.0	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	2.5	*	0.0	7.0	*	0.0	12.7	*
Cholecystectomy	3	0.0	2.7	*	0.0	5.5	*	0.0	7.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BRAXTON COUNTY MEMORIAL HOSPITAL

100 Haylman Drive
Gassaway, WV 26624

Medicare Provider Number: 510084

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	310	11.0	10.8	2.4	15.5	15.9	2.1	17.7	19.9	2.6
CONDITIONS:										
Acute Myocardial Infarction	13	23.1	31.9	*	23.1	35.9	*	23.1	39.5	*
Congestive Heart Failure	24	8.3	16.8	*	20.8	25.4	*	25.0	32.3	*
Pneumonia/Influenza	19	15.8	16.8	*	15.8	22.9	*	21.1	27.5	*
Chronic Obstructive Pulmonary Disease	5	0.0	6.2	*	20.0	11.8	*	40.0	17.2	*
Transient Cerebral Ischemia	21	4.8	2.2	*	4.8	5.1	*	9.5	8.2	*
Stroke	12	8.3	25.2	*	16.7	31.6	*	16.7	36.3	*
Hip Fracture	0									
Sepsis	5	20.0	17.2	*	20.0	25.0	*	20.0	29.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	2.4	*	0.0	4.2	*	0.0	5.1	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	30
Occupancy Rate	37
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	5
Percent of Physicians Board Certified Specialists	40
Medical Residents/Interns	0
Registered Nurses	14
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BRAXTON COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 510084

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	311	9.6	10.4	2.1	14.5	15.5	2.7	19.0	19.3	2.3
CONDITIONS:										
Acute Myocardial Infarction	6	33.3	38.9	*	33.3	42.6	*	33.3	45.9	*
Congestive Heart Failure	19	21.1	22.2	*	21.1	31.2	*	21.1	37.9	*
Pneumonia/Influenza	18	16.7	23.2	*	38.9	32.2	*	61.1	38.0	*
Chronic Obstructive Pulmonary Disease	5	20.0	5.6	*	20.0	13.8	*	20.0	22.2	*
Transient Cerebral Ischemia	16	0.0	2.1	*	0.0	4.9	*	0.0	7.8	*
Stroke	18	11.1	22.0	*	33.3	28.2	*	38.9	33.0	*
Hip Fracture	0									
Sepsis	4	25.0	26.5	*	25.0	35.6	*	50.0	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*
Cholecystectomy	6	0.0	0.6	*	0.0	1.2	*	16.7	1.7	*
Hysterectomy	1	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	328	11.3	11.7	1.8	16.8	16.9	2.2	22.0	21.1	3.0
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	32.1	*	42.9	35.5	*	42.9	38.8	*
Congestive Heart Failure	26	19.2	19.2	*	26.9	27.9	*	42.3	34.6	*
Pneumonia/Influenza	29	17.2	18.4	*	27.6	24.8	*	31.0	29.8	*
Chronic Obstructive Pulmonary Disease	2	0.0	3.6	*	0.0	7.4	*	0.0	10.9	*
Transient Cerebral Ischemia	6	0.0	1.8	*	0.0	3.8	*	33.3	5.9	*
Stroke	12	25.0	27.3	*	33.3	34.0	*	41.7	38.6	*
Hip Fracture	2	0.0	9.2	*	0.0	16.1	*	0.0	20.0	*
Sepsis	10	40.0	31.3	*	60.0	43.8	*	60.0	51.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	5.7	*	0.0	9.6	*	50.0	11.4	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

BROADDUS HOSPITAL ASSOCIATION

College Hill
Philippi, WV 26416

Medicare Provider Number: 510009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	390	11.8	10.4	1.7	14.9	15.6	2.0	18.2	19.6	2.2
CONDITIONS:										
Acute Myocardial Infarction	19	15.8	27.5	*	21.1	30.8	*	31.6	33.9	*
Congestive Heart Failure	24	16.7	17.0	*	20.8	26.1	*	20.8	33.1	*
Pneumonia/Influenza	28	14.3	17.9	*	21.4	24.9	*	28.6	29.7	*
Chronic Obstructive Pulmonary Disease	8	0.0	5.1	*	0.0	9.9	*	0.0	14.3	*
Transient Cerebral Ischemia	11	0.0	1.9	*	0.0	4.1	*	0.0	6.5	*
Stroke	13	38.5	24.8	*	46.2	31.8	*	46.2	36.5	*
Hip Fracture	5	0.0	8.1	*	0.0	14.1	*	0.0	18.6	*
Sepsis	6	33.3	21.1	*	33.3	28.2	*	33.3	34.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.1	*	0.0	6.6	*	0.0	10.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	5	0.0	7.1	*	0.0	13.0	*	0.0	17.4	*
Prostatectomy	3	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*
Cholecystectomy	10	30.0	3.1	*	30.0	4.9	*	30.0	6.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	61
Occupancy Rate	39
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	11
Percent of Physicians Board Certified Specialists	100
Medical Residents/Interns	0
Registered Nurses	39
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BROADDUS HOSPITAL ASSOCIATION

Medicare Provider Number: 510009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	451	11.8	10.1	2.3	16.6	15.1	2.6	19.7	18.9	2.2
CONDITIONS:										
Acute Myocardial Infarction	17	23.5	25.6	*	23.5	29.3	*	47.1	33.0	*
Congestive Heart Failure	21	14.3	17.8	*	19.0	26.1	*	19.0	32.9	*
Pneumonia/Influenza	19	15.8	20.3	*	31.6	28.0	*	31.6	33.2	*
Chronic Obstructive Pulmonary Disease	6	16.7	5.1	*	16.7	9.1	*	16.7	13.0	*
Transient Cerebral Ischemia	11	0.0	1.6	*	0.0	3.6	*	0.0	5.6	*
Stroke	13	38.5	28.1	*	46.2	35.2	*	53.8	40.1	*
Hip Fracture	6	0.0	7.1	*	0.0	12.4	*	0.0	16.3	*
Sepsis	6	33.3	22.2	*	50.0	33.2	*	50.0	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	14.8	*	33.3	24.4	*	33.3	30.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	6	0.0	6.2	*	0.0	11.4	*	0.0	15.1	*
Prostatectomy	9	11.1	0.9	*	11.1	2.3	*	22.2	3.8	*
Cholecystectomy	14	14.3	4.3	*	14.3	8.4	*	14.3	11.8	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	474	7.6	9.4	1.6	12.2	14.3	2.3	14.8	18.0	2.6
CONDITIONS:										
Acute Myocardial Infarction	15	40.0	30.7	*	40.0	35.4	*	40.0	39.2	*
Congestive Heart Failure	24	16.7	18.0	*	29.2	27.0	*	33.3	33.8	*
Pneumonia/Influenza	24	4.2	19.7	*	12.5	26.6	*	16.7	31.5	*
Chronic Obstructive Pulmonary Disease	7	0.0	5.8	*	0.0	10.2	*	14.3	14.3	*
Transient Cerebral Ischemia	12	0.0	2.0	*	0.0	4.3	*	0.0	6.8	*
Stroke	11	36.4	25.7	*	45.5	32.2	*	45.5	36.7	*
Hip Fracture	7	14.3	9.4	*	42.9	16.1	*	42.9	20.8	*
Sepsis	9	33.3	23.0	*	33.3	31.1	*	33.3	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.9	*	0.0	4.4	*	0.0	7.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	7	14.3	8.1	*	42.9	14.8	*	42.9	19.4	*
Prostatectomy	7	14.3	0.7	*	14.3	1.5	*	14.3	2.4	*
Cholecystectomy	16	25.0	4.4	*	31.3	7.7	*	31.3	9.9	*
Hysterectomy	4	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CABELL-HUNTINGTON HOSPITAL INC

1340 Hal Greer Blvd
Huntington, WV 25701

Medicare Provider Number: 510055

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,644	10.1	9.4	0.8	14.7	14.1	1.1	17.4	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	93	23.7	27.8	6.3	30.1	31.2	7.3	31.2	34.7	5.6
Congestive Heart Failure	133	13.5	15.9	3.7	27.8	23.9	5.0	33.1	30.6	6.4
Pneumonia/Influenza	128	18.8	17.0	3.6	23.4	22.8	4.4	25.0	27.5	5.8
Chronic Obstructive Pulmonary Disease	30	16.7	7.1	*	20.0	12.3	*	23.3	17.0	*
Transient Cerebral Ischemia	42	2.4	2.1	*	4.8	5.0	*	9.5	8.0	*
Stroke	94	22.3	21.6	4.4	27.7	27.8	4.6	28.7	32.3	5.3
Hip Fracture	80	3.8	6.0	3.6	7.5	10.7	5.4	11.2	13.9	5.4
Sepsis	24	20.8	25.0	*	25.0	32.4	*	33.3	38.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	2.7	*	0.0	5.8	*	0.0	9.2	*
Carotid Endarterectomy	19	0.0	1.4	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction	44	6.8	4.1	*	11.4	7.8	*	11.4	10.6	*
Open Reduction of Hip Fracture	36	0.0	5.2	*	2.8	9.6	*	5.6	12.5	*
Prostatectomy	81	1.2	1.2	1.7	3.7	2.8	2.9	7.4	4.6	4.0
Cholecystectomy	38	5.3	2.5	*	5.3	4.5	*	5.3	5.8	*
Hysterectomy	31	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	298
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	280
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	0
Registered Nurses	338
Licensed Practical Nurses	71

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

CABELL-HUNTINGTON HOSPITAL INC

Medicare Provider Number: 510055

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,462	11.0	9.6	0.8	15.7	14.3	0.8	19.4	18.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	105	37.1	30.3	5.3	38.1	34.1	4.9	40.0	37.9	4.9
Congestive Heart Failure	129	14.7	17.1	3.9	27.1	25.4	4.1	34.9	32.3	5.7
Pneumonia/Influenza	101	16.8	16.6	4.3	20.8	22.3	4.6	27.7	26.9	4.7
Chronic Obstructive Pulmonary Disease	15	6.7	6.3	*	13.3	11.1	*	13.3	15.2	*
Transient Cerebral Ischemia	60	0.0	1.9	2.5	1.7	4.2	3.3	1.7	6.6	5.2
Stroke	100	28.0	23.1	7.7	33.0	29.4	8.1	38.0	34.0	7.4
Hip Fracture	75	8.0	7.8	3.1	10.7	14.0	5.0	14.7	18.0	5.8
Sepsis	16	25.0	30.0	*	31.3	39.1	*	31.3	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	27.3	11.4	*	27.3	15.6	*	27.3	19.5	*
Carotid Endarterectomy	12	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	29	3.4	5.7	*	6.9	10.9	*	13.8	14.3	*
Open Reduction of Hip Fracture	29	10.3	6.0	*	10.3	11.4	*	13.8	15.1	*
Prostatectomy	83	2.4	1.1	1.6	3.6	2.6	2.2	6.0	4.4	3.0
Cholecystectomy	34	5.9	2.5	*	5.9	4.1	*	5.9	5.1	*
Hysterectomy	26	3.8	1.4	*	3.8	2.6	*	3.8	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,299	10.5	10.2	0.7	15.7	15.1	1.1	18.8	19.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	95	18.9	29.3	7.1	28.4	32.6	8.8	28.4	36.2	6.3
Congestive Heart Failure	115	20.9	17.9	4.5	27.0	26.1	4.3	35.7	33.0	5.0
Pneumonia/Influenza	99	18.2	17.8	4.1	21.2	23.7	5.4	23.2	28.5	6.0
Chronic Obstructive Pulmonary Disease	19	15.8	8.8	*	31.6	17.4	*	31.6	24.6	*
Transient Cerebral Ischemia	45	6.7	1.8	*	6.7	4.0	*	8.9	6.4	*
Stroke	98	17.3	24.3	6.2	26.5	31.0	5.9	28.6	35.7	7.5
Hip Fracture	82	9.8	7.3	3.8	11.0	12.8	4.1	13.4	16.5	6.2
Sepsis	16	25.0	29.9	*	37.5	36.8	*	37.5	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.9	*	16.7	9.3	*	16.7	13.2	*
Carotid Endarterectomy	17	5.9	1.5	*	5.9	2.9	*	5.9	4.2	*
Hip Replacement/Reconstruction	28	10.7	4.7	*	10.7	8.7	*	14.3	11.4	*
Open Reduction of Hip Fracture	28	7.1	6.6	*	7.1	12.1	*	7.1	15.7	*
Prostatectomy	75	1.3	0.9	1.2	2.7	2.2	1.7	2.7	3.7	2.5
Cholecystectomy	37	2.7	2.4	*	8.1	4.2	*	8.1	5.4	*
Hysterectomy	24	4.2	1.4	*	8.3	2.7	*	8.3	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CALHOUN GENERAL HOSPITAL COUNTY INC

P O Box 130
Grantsville, WV 26147

Medicare Provider Number: 510063

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	249	7.2	10.7	2.5	13.7	15.9	3.4	14.9	19.8	3.3
CONDITIONS:										
Acute Myocardial Infarction	5	20.0	38.5	*	20.0	41.4	*	20.0	44.8	*
Congestive Heart Failure	15	13.3	14.3	*	33.3	22.1	*	33.3	28.5	*
Pneumonia/Influenza	30	6.7	12.9	*	6.7	18.1	*	6.7	22.2	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.7	*	0.0	8.7	*	0.0	12.5	*
Transient Cerebral Ischemia	16	0.0	1.8	*	0.0	4.0	*	6.3	6.3	*
Stroke	12	0.0	23.3	*	25.0	32.3	*	25.0	37.8	*
Hip Fracture	0									
Sepsis	1	0.0	13.6	*	0.0	17.0	*	0.0	20.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	9	0.0	0.9	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	3	0.0	1.4	*	0.0	2.2	*	0.0	2.8	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	45
Occupancy Rate	27
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	7
Percent of Physicians Board Certified Specialists	29
Medical Residents/Interns	0
Registered Nurses	14
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CALHOUN GENERAL HOSPITAL COUNTY INC

Medicare Provider Number: 510063

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	251	9.6	10.8	2.3	13.1	15.6	3.4	15.1	19.2	4.1
CONDITIONS:										
Acute Myocardial Infarction	14	7.1	30.1	*	21.4	32.6	*	28.6	35.7	*
Congestive Heart Failure	20	5.0	13.1	*	10.0	19.5	*	10.0	25.2	*
Pneumonia/Influenza	28	3.6	14.1	*	7.1	18.9	*	7.1	22.8	*
Chronic Obstructive Pulmonary Disease	1	0.0	2.7	*	0.0	4.7	*	0.0	6.4	*
Transient Cerebral Ischemia	3	0.0	1.7	*	0.0	3.3	*	0.0	5.1	*
Stroke	2	0.0	18.9	*	0.0	26.3	*	0.0	30.8	*
Hip Fracture	0									
Sepsis	4	50.0	33.6	*	75.0	43.7	*	75.0	49.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	29.4	*	0.0	32.1	*	0.0	35.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	12	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	10	0.0	2.1	*	10.0	3.7	*	10.0	4.8	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	291	11.0	11.9	2.0	17.2	17.6	3.0	18.6	21.9	3.7
CONDITIONS:										
Acute Myocardial Infarction	11	9.1	30.1	*	18.2	32.7	*	18.2	35.6	*
Congestive Heart Failure	25	20.0	18.5	*	24.0	27.7	*	28.0	35.2	*
Pneumonia/Influenza	35	5.7	13.6	*	8.6	18.3	*	8.6	22.6	*
Chronic Obstructive Pulmonary Disease	4	0.0	7.1	*	0.0	12.3	*	0.0	16.7	*
Transient Cerebral Ischemia	3	0.0	2.5	*	0.0	5.1	*	0.0	7.8	*
Stroke	9	11.1	24.7	*	22.2	34.2	*	22.2	39.4	*
Hip Fracture	2	50.0	8.8	*	50.0	16.4	*	50.0	21.1	*
Sepsis	5	20.0	28.5	*	40.0	36.6	*	40.0	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	50.0	7.5	*	50.0	14.8	*	50.0	19.7	*
Prostatectomy	7	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*
Cholecystectomy	9	11.1	7.7	*	11.1	14.5	*	22.2	19.5	*
Hysterectomy	2	0.0	0.6	*	50.0	0.9	*	50.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CAMDEN CLARK MEMORIAL HOSPITAL

800 Garfield Ave
Parkersburg, WV 26105

Medicare Provider Number: 510058

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	2,800	10.1	8.7	0.8	15.5	13.9	1.0	18.9	17.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	83	31.3	25.6	6.5	32.5	28.5	6.8	36.1	31.6	7.0
Congestive Heart Failure	155	14.2	16.7	3.3	21.9	25.8	5.7	25.2	33.1	5.9
Pneumonia/Influenza	109	17.4	17.8	4.0	26.6	24.5	4.7	32.1	29.6	5.6
Chronic Obstructive Pulmonary Disease	67	4.5	6.6	4.6	9.0	12.2	6.2	11.9	17.2	7.2
Transient Cerebral Ischemia	51	2.0	1.9	2.0	3.9	4.2	2.8	3.9	6.8	4.3
Stroke	95	18.9	19.8	4.2	27.4	27.8	4.7	31.6	32.6	5.1
Hip Fracture	78	6.4	7.7	5.1	16.7	13.8	6.6	20.5	17.7	6.4
Sepsis	24	29.2	24.8	*	33.3	32.6	*	37.5	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.3	*	0.0	6.2	*	0.0	9.1	*
Carotid Endarterectomy	11	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	47	2.1	4.1	*	12.8	7.9	*	14.9	10.9	*
Open Reduction of Hip Fracture	39	5.1	7.0	*	15.4	13.0	*	17.9	16.9	*
Prostatectomy	100	1.0	1.1	1.2	1.0	2.7	3.2	5.0	4.5	2.9
Cholecystectomy	93	3.2	3.0	2.0	6.5	5.2	2.9	7.5	6.7	3.4
Hysterectomy	27	3.7	0.7	*	3.7	1.6	*	3.7	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	259
Occupancy Rate	73
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	90
Percent of Physicians Board Certified Specialists	59
Medical Residents/Interns	0
Registered Nurses	178
Licensed Practical Nurses	95

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CAMDEN CLARK MEMORIAL HOSPITAL

Medicare Provider Number: 510058

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,681	10.1	9.1	1.0	15.0	14.2	1.0	18.2	18.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	78	35.9	29.8	10.1	41.0	32.8	11.4	43.6	36.2	12.3
Congestive Heart Failure	135	22.2	15.9	5.4	26.7	24.1	4.4	31.9	30.8	4.0
Pneumonia/Influenza	121	20.7	17.2	5.4	27.3	23.5	6.9	31.4	28.3	5.6
Chronic Obstructive Pulmonary Disease	63	11.1	7.3	5.2	17.5	13.7	5.3	20.6	19.4	6.5
Transient Cerebral Ischemia	59	0.0	2.2	2.5	0.0	4.8	4.4	1.7	7.6	4.9
Stroke	84	23.8	21.1	5.2	31.0	29.2	5.2	34.5	34.2	5.8
Hip Fracture	69	8.7	7.1	3.5	11.6	12.7	4.1	13.0	16.3	5.2
Sepsis	29	17.2	25.7	*	24.1	35.1	*	27.6	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.3	*	0.0	5.9	*	0.0	7.8	*
Carotid Endarterectomy	11	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	49	4.1	4.1	*	6.1	7.9	*	6.1	10.6	*
Open Reduction of Hip Fracture	31	6.5	6.0	*	9.7	11.4	*	12.9	15.0	*
Prostatectomy	121	1.7	1.0	1.0	3.3	2.4	1.7	5.8	4.0	2.5
Cholecystectomy	94	4.3	3.2	2.3	6.4	5.5	2.4	9.6	7.1	3.6
Hysterectomy	30	0.0	0.7	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,586	10.6	9.5	0.8	16.0	14.8	0.9	19.4	18.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	94	30.9	28.6	7.0	36.2	31.8	6.7	37.2	35.1	6.0
Congestive Heart Failure	120	18.3	20.1	4.2	30.0	29.9	6.6	37.5	37.5	4.7
Pneumonia/Influenza	105	19.0	16.9	5.3	25.7	23.2	7.0	29.5	27.9	5.9
Chronic Obstructive Pulmonary Disease	41	12.2	10.2	*	17.1	18.2	*	22.0	24.1	*
Transient Cerebral Ischemia	51	0.0	2.3	3.0	5.9	5.1	3.3	11.8	8.3	5.1
Stroke	107	28.0	22.4	5.7	34.6	30.1	5.1	36.4	34.8	4.8
Hip Fracture	68	11.8	6.8	6.1	13.2	12.2	4.9	16.2	15.6	4.5
Sepsis	24	41.7	29.9	*	50.0	39.3	*	62.5	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.3	*	0.0	6.3	*	0.0	8.9	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	43	7.0	4.0	*	7.0	7.6	*	9.3	10.1	*
Open Reduction of Hip Fracture	37	13.5	6.6	*	16.2	12.1	*	18.9	15.6	*
Prostatectomy	97	1.0	1.3	1.5	3.1	3.3	1.9	5.2	5.7	2.5
Cholecystectomy	75	6.7	3.3	3.1	10.7	5.7	3.5	13.3	7.5	4.3
Hysterectomy	22	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CHARLESTON AREA MEDICAL CENTER

Brooks & Washington St
Charleston, WV 25325

Medicare Provider Number: 510022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,639	8.9	8.4	0.5	13.0	12.5	0.7	16.0	15.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	273	16.8	23.5	4.2	21.2	26.9	4.1	24.5	30.2	4.0
Congestive Heart Failure	244	18.4	14.4	3.9	25.4	22.3	5.0	31.6	28.9	3.8
Pneumonia/Influenza	176	18.2	17.3	4.2	25.0	23.4	5.4	26.7	28.2	3.6
Chronic Obstructive Pulmonary Disease	72	11.1	7.6	5.1	13.9	13.3	4.9	20.8	18.3	5.1
Transient Cerebral Ischemia	105	1.9	1.6	2.6	6.7	3.6	4.0	7.6	5.7	3.7
Stroke	210	28.1	22.9	4.6	31.4	29.4	3.9	36.2	33.9	3.8
Hip Fracture	162	5.6	6.5	2.6	11.7	11.6	2.5	13.0	15.0	4.1
Sepsis	58	25.9	30.2	6.4	29.3	38.2	7.6	32.8	44.4	9.0
PROCEDURES:										
Angioplasty	170	1.8	3.0	1.8	2.4	3.9	2.4	2.9	4.9	3.1
Coronary Artery Bypass Graft	312	4.5	5.4	2.2	6.4	7.7	2.1	7.4	9.3	2.2
Initial Pacemaker Insertion	48	6.3	3.8	*	8.3	6.9	*	10.4	9.8	*
Carotid Endarterectomy	54	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	100	6.0	3.1	3.5	11.0	5.9	5.4	12.0	8.0	5.9
Open Reduction of Hip Fracture	85	4.7	5.9	2.7	9.4	11.0	3.9	10.6	14.4	5.2
Prostatectomy	167	1.8	0.8	0.8	3.6	2.1	2.1	8.4	3.5	2.5
Cholecystectomy	104	1.9	2.5	1.8	2.9	4.2	2.5	3.8	5.4	3.3
Hysterectomy	46	2.2	0.3	*	2.2	0.5	*	2.2	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	962
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	366
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	97
Registered Nurses	838
Licensed Practical Nurses	136

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

CHARLESTON AREA MEDICAL CENTER

Medicare Provider Number: 510022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,653	9.2	8.6	0.6	13.7	12.9	0.7	17.0	16.2	0.6
CONDITIONS:										
Acute Myocardial Infarction	243	23.5	27.7	3.6	30.5	31.3	3.8	32.9	35.0	3.4
Congestive Heart Failure	225	19.6	16.5	3.7	29.8	24.9	5.7	36.9	31.8	7.0
Pneumonia/Influenza	177	20.3	16.8	4.1	27.7	22.8	4.8	29.9	27.5	3.9
Chronic Obstructive Pulmonary Disease	85	8.2	8.1	5.3	16.5	14.8	4.7	22.4	20.3	4.9
Transient Cerebral Ischemia	96	1.0	1.8	1.5	5.2	3.7	2.1	8.3	5.8	3.4
Stroke	242	23.6	21.5	3.2	31.4	28.0	3.8	36.0	32.6	4.8
Hip Fracture	177	4.5	6.5	2.4	8.5	11.7	4.2	10.2	15.1	4.7
Sepsis	62	37.1	32.5	7.6	37.1	41.2	6.9	46.8	47.6	7.0
PROCEDURES:										
Angioplasty	122	0.8	3.6	2.3	2.5	4.7	2.3	2.5	5.8	2.9
Coronary Artery Bypass Graft	252	4.4	6.3	2.7	6.3	8.8	2.9	7.1	10.3	3.0
Initial Pacemaker Insertion	43	7.0	4.9	*	9.3	8.0	*	11.6	11.1	*
Carotid Endarterectomy	44	0.0	1.4	*	2.3	2.6	*	2.3	3.9	*
Hip Replacement/Reconstruction	128	2.3	3.5	2.8	4.7	6.7	3.9	6.3	9.0	3.5
Open Reduction of Hip Fracture	77	3.9	6.2	3.2	9.1	11.5	5.3	9.1	15.0	6.3
Prostatectomy	165	0.6	1.0	0.8	1.2	2.5	1.7	3.6	4.2	1.7
Cholecystectomy	112	4.5	3.1	2.1	8.0	5.4	2.9	11.6	7.0	4.0
Hysterectomy	44	0.0	0.5	*	4.5	1.0	*	4.5	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,716	9.1	8.9	0.4	13.7	13.3	0.5	16.8	16.7	0.5
CONDITIONS:										
Acute Myocardial Infarction	246	25.2	27.0	3.1	30.1	30.4	3.1	32.1	33.9	3.5
Congestive Heart Failure	213	17.8	17.7	2.8	27.7	26.6	3.4	32.9	33.8	3.7
Pneumonia/Influenza	185	21.1	17.9	3.6	27.6	24.3	3.6	28.6	29.3	3.4
Chronic Obstructive Pulmonary Disease	52	9.6	7.0	4.1	11.5	11.8	6.5	21.2	16.0	7.3
Transient Cerebral Ischemia	135	1.5	1.8	1.2	2.2	3.7	2.3	3.7	5.8	3.8
Stroke	205	24.4	23.0	3.6	31.7	29.8	3.7	33.7	34.3	3.5
Hip Fracture	168	7.7	6.7	2.1	8.9	11.8	3.0	13.1	15.1	3.1
Sepsis	51	29.4	29.3	6.5	43.1	36.6	8.9	47.1	42.4	14.5
PROCEDURES:										
Angioplasty	110	3.6	5.1	3.1	3.6	6.1	3.6	5.5	7.3	3.9
Coronary Artery Bypass Graft	207	5.3	6.7	3.7	6.8	9.0	3.9	7.7	10.3	3.8
Initial Pacemaker Insertion	28	0.0	4.1	*	0.0	8.6	*	10.7	12.6	*
Carotid Endarterectomy	55	3.6	1.8	2.6	3.6	3.5	3.1	7.3	5.0	4.7
Hip Replacement/Reconstruction	117	5.1	3.5	2.0	5.1	6.4	2.4	7.7	8.5	2.7
Open Reduction of Hip Fracture	67	7.5	5.6	3.2	9.0	10.4	4.2	11.9	13.6	4.9
Prostatectomy	151	0.7	1.2	1.5	5.3	2.9	2.5	6.0	4.7	2.7
Cholecystectomy	115	6.1	3.7	2.2	9.6	6.4	3.3	13.9	8.3	4.2
Hysterectomy	50	2.0	0.9	*	2.0	1.8	*	2.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CITY HOSPITAL

Tavern and Dry Run Road
Martinsburg, WV 25401

Medicare Provider Number: 510008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,336	9.6	9.6	1.4	15.3	14.0	1.6	19.0	17.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	67	29.9	28.7	5.7	37.3	31.8	7.2	41.8	35.2	9.3
Congestive Heart Failure	50	32.0	14.5	*	42.0	22.6	*	50.0	29.4	*
Pneumonia/Influenza	70	14.3	15.4	4.3	27.1	20.9	5.8	28.6	25.5	6.3
Chronic Obstructive Pulmonary Disease	25	4.0	4.7	*	4.0	8.7	*	12.0	12.2	*
Transient Cerebral Ischemia	19	0.0	2.1	*	5.3	4.8	*	10.5	7.8	*
Stroke	61	21.3	18.5	7.0	29.5	24.5	10.5	31.1	28.8	8.5
Hip Fracture	32	9.4	6.7	*	12.5	11.8	*	15.6	15.2	*
Sepsis	16	12.5	29.9	*	12.5	38.0	*	18.8	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.8	*	0.0	6.1	*	0.0	9.0	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	21	9.5	2.2	*	14.3	4.1	*	19.0	5.5	*
Open Reduction of Hip Fracture	18	5.6	5.4	*	5.6	9.8	*	5.6	12.7	*
Prostatectomy	51	0.0	0.9	1.6	2.0	2.3	2.1	3.9	3.8	2.7
Cholecystectomy	26	0.0	3.6	*	3.8	6.0	*	3.8	7.7	*
Hysterectomy	11	0.0	0.5	*	0.0	1.2	*	9.1	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	158
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	66
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	140
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CITY HOSPITAL

Medicare Provider Number: 510008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,278	12.3	10.2	1.2	18.6	15.1	1.6	21.9	19.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	48	31.3	31.5	*	35.4	34.5	*	39.6	38.0	*
Congestive Heart Failure	59	25.4	15.3	6.4	30.5	23.0	6.6	32.2	29.6	6.1
Pneumonia/Influenza	67	16.4	17.9	4.8	19.4	23.6	5.9	20.9	28.3	7.9
Chronic Obstructive Pulmonary Disease	20	10.0	7.7	*	15.0	13.0	*	25.0	17.3	*
Transient Cerebral Ischemia	21	0.0	1.9	*	4.8	4.1	*	14.3	6.4	*
Stroke	66	30.3	23.4	9.2	36.4	29.7	9.9	40.9	34.3	10.7
Hip Fracture	29	10.3	8.3	*	17.2	14.6	*	20.7	18.3	*
Sepsis	17	41.2	26.2	*	47.1	33.5	*	58.8	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	8.4	*	0.0	12.8	*	9.1	16.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	4.1	*	0.0	8.2	*	5.9	11.3	*
Open Reduction of Hip Fracture	10	10.0	5.9	*	10.0	10.5	*	20.0	13.4	*
Prostatectomy	41	0.0	1.6	*	4.9	3.8	*	4.9	6.1	*
Cholecystectomy	16	6.3	2.9	*	6.3	5.1	*	6.3	6.4	*
Hysterectomy	5	0.0	0.9	*	0.0	2.2	*	0.0	3.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,166	10.9	9.0	1.4	15.5	13.3	1.6	19.0	16.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	63	20.6	28.4	9.0	22.2	31.6	10.2	23.8	35.1	11.6
Congestive Heart Failure	57	14.0	15.3	6.3	35.1	23.5	6.9	43.9	30.3	7.9
Pneumonia/Influenza	47	14.9	15.8	*	19.1	21.5	*	23.4	26.3	*
Chronic Obstructive Pulmonary Disease	18	11.1	8.1	*	16.7	14.5	*	16.7	20.1	*
Transient Cerebral Ischemia	20	0.0	1.8	*	0.0	3.8	*	0.0	6.0	*
Stroke	43	25.6	26.6	*	34.9	33.3	*	37.2	38.1	*
Hip Fracture	38	7.9	5.8	*	13.2	10.2	*	15.8	13.3	*
Sepsis	19	42.1	27.5	*	57.9	36.1	*	57.9	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	8.1	*	0.0	14.5	*	0.0	19.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	3.1	*	0.0	6.2	*	0.0	9.0	*
Open Reduction of Hip Fracture	20	10.0	5.0	*	10.0	9.3	*	15.0	12.4	*
Prostatectomy	44	6.8	0.8	*	9.1	2.0	*	9.1	3.4	*
Cholecystectomy	25	8.0	2.2	*	12.0	3.9	*	12.0	5.0	*
Hysterectomy	6	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

DAVIS MEMORIAL HOSPITAL

P O Box 1484
Elkins, WV 26241

Medicare Provider Number: 510030

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,614	9.0	8.9	0.8	12.4	13.6	1.0	15.6	17.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	40	22.5	29.0	*	25.0	32.5	*	27.5	36.1	*
Congestive Heart Failure	77	9.1	16.0	5.4	14.3	25.3	7.5	20.8	32.6	8.5
Pneumonia/Influenza	59	25.4	17.7	7.2	27.1	24.1	6.5	28.8	29.1	6.1
Chronic Obstructive Pulmonary Disease	19	10.5	4.0	*	21.1	8.2	*	26.3	12.2	*
Transient Cerebral Ischemia	22	0.0	1.5	*	0.0	3.2	*	4.5	5.1	*
Stroke	60	26.7	21.0	7.5	30.0	27.3	8.0	36.7	31.8	9.3
Hip Fracture	40	7.5	7.4	*	10.0	13.6	*	10.0	17.8	*
Sepsis	33	15.2	26.0	*	21.2	33.4	*	24.2	38.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	5.0	*	0.0	8.9	*	0.0	12.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	2.7	*	5.9	5.4	*	5.9	7.4	*
Open Reduction of Hip Fracture	22	9.1	6.3	*	9.1	11.9	*	9.1	15.7	*
Prostatectomy	90	0.0	0.7	1.1	0.0	1.7	1.9	1.1	2.8	2.4
Cholecystectomy	41	2.4	4.4	*	7.3	7.7	*	7.3	9.8	*
Hysterectomy	10	0.0	0.7	*	0.0	1.5	*	10.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	115
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	37
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	121
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DAVIS MEMORIAL HOSPITAL

Medicare Provider Number: 510030

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,532	9.5	9.2	0.8	13.6	13.8	1.0	16.9	17.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	38	18.4	24.4	*	23.7	28.1	*	23.7	32.1	*
Congestive Heart Failure	109	22.0	17.1	6.8	29.4	26.2	5.4	33.9	33.4	5.3
Pneumonia/Influenza	70	18.6	19.9	4.9	27.1	27.1	5.3	35.7	32.5	7.3
Chronic Obstructive Pulmonary Disease	27	18.5	6.0	*	29.6	12.5	*	33.3	18.1	*
Transient Cerebral Ischemia	34	0.0	2.3	*	2.9	5.2	*	5.9	8.3	*
Stroke	49	18.4	20.9	*	20.4	26.7	*	30.6	31.2	*
Hip Fracture	35	5.7	5.6	*	14.3	10.4	*	14.3	13.4	*
Sepsis	24	16.7	31.4	*	29.2	37.5	*	33.3	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	5.4	*	15.4	8.1	*	15.4	10.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	0.0	3.4	*	10.0	6.8	*	10.0	8.9	*
Open Reduction of Hip Fracture	10	10.0	4.7	*	20.0	9.1	*	20.0	12.1	*
Prostatectomy	87	1.1	1.1	1.1	2.3	2.7	1.8	4.6	4.5	2.3
Cholecystectomy	32	3.1	4.0	*	3.1	6.8	*	6.3	8.5	*
Hysterectomy	6	0.0	5.9	*	0.0	7.4	*	0.0	8.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,410	9.0	8.8	0.9	12.1	13.2	1.1	15.5	16.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	56	28.6	26.7	6.1	28.6	29.9	6.2	32.1	33.3	6.5
Congestive Heart Failure	72	19.4	16.5	5.0	25.0	24.4	5.9	31.9	31.1	7.6
Pneumonia/Influenza	62	25.8	18.7	8.3	25.8	25.1	7.9	33.9	30.2	8.1
Chronic Obstructive Pulmonary Disease	24	8.3	10.7	*	20.8	17.9	*	20.8	23.2	*
Transient Cerebral Ischemia	17	0.0	2.7	*	5.9	6.3	*	11.8	10.1	*
Stroke	40	27.5	22.0	*	35.0	28.6	*	35.0	33.4	*
Hip Fracture	29	10.3	5.8	*	10.3	10.8	*	13.8	14.2	*
Sepsis	13	53.8	39.0	*	53.8	47.0	*	53.8	53.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	2.4	*	7.7	5.1	*	23.1	8.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	10.0	4.3	*	10.0	8.2	*	15.0	11.0	*
Open Reduction of Hip Fracture	4	0.0	4.5	*	0.0	8.8	*	0.0	11.7	*
Prostatectomy	90	2.2	0.9	1.6	4.4	2.2	2.5	4.4	3.7	2.7
Cholecystectomy	34	0.0	2.5	*	0.0	4.4	*	0.0	5.8	*
Hysterectomy	14	0.0	1.2	*	0.0	2.4	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DOCTORS HOSPITAL

30 MacCorkle Ave
South Charleston, WV 25303

Medicare Provider Number: 510040

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	153	4.6	6.4	2.9	6.5	9.6	3.6	11.8	12.5	3.1
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	26.0	*	33.3	29.1	*	66.7	32.8	*
Congestive Heart Failure	7	0.0	13.6	*	14.3	21.5	*	14.3	28.1	*
Pneumonia/Influenza	16	18.8	14.0	*	18.8	19.5	*	25.0	24.0	*
Chronic Obstructive Pulmonary Disease	5	0.0	6.0	*	0.0	11.5	*	20.0	17.0	*
Transient Cerebral Ischemia	2	0.0	1.1	*	0.0	2.2	*	0.0	3.5	*
Stroke	1	0.0	26.3	*	0.0	33.1	*	0.0	38.3	*
Hip Fracture	0									
Sepsis	1	0.0	27.5	*	0.0	32.0	*	0.0	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	0.6	*	0.0	1.5	*	0.0	2.7	*
Cholecystectomy	5	0.0	1.7	*	0.0	2.8	*	0.0	3.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	47
Occupancy Rate	51
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	11
Medical Residents/Interns	1
Registered Nurses	46
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DOCTORS HOSPITAL

Medicare Provider Number: 510040

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	139	2.2	3.7	2.4	5.0	6.1	3.3	6.5	8.4	3.9
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	4	0.0	13.1	*	0.0	20.3	*	0.0	26.6	*
Pneumonia/Influenza	3	0.0	11.5	*	0.0	15.4	*	0.0	18.9	*
Chronic Obstructive Pulmonary Disease	6	0.0	4.5	*	0.0	7.9	*	16.7	10.9	*
Transient Cerebral Ischemia	2	0.0	1.0	*	0.0	2.2	*	0.0	3.3	*
Stroke	3	0.0	7.7	*	0.0	11.8	*	0.0	14.7	*
Hip Fracture	0									
Sepsis	2	0.0	31.1	*	0.0	35.5	*	0.0	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	0.9	*	0.0	2.4	*	0.0	3.9	*
Cholecystectomy	1	0.0	0.8	*	0.0	1.8	*	0.0	2.7	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	114	6.1	5.2	2.6	10.5	8.6	3.2	11.4	11.3	3.0
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	29.4	*	0.0	34.1	*	0.0	40.2	*
Congestive Heart Failure	5	0.0	13.8	*	20.0	22.6	*	20.0	29.7	*
Pneumonia/Influenza	6	0.0	11.3	*	16.7	16.5	*	33.3	20.8	*
Chronic Obstructive Pulmonary Disease	4	0.0	2.9	*	25.0	5.4	*	25.0	7.5	*
Transient Cerebral Ischemia	4	0.0	2.3	*	0.0	5.3	*	0.0	8.8	*
Stroke	0									
Hip Fracture	0									
Sepsis	1	0.0	25.6	*	0.0	30.5	*	0.0	36.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.7	*	0.0	3.8	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	0.9	*	0.0	2.6	*	0.0	4.8	*
Cholecystectomy	1	0.0	1.7	*	0.0	3.2	*	0.0	4.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ELIZABETH COPLIN LEONARD MEM HOSPITAL

78 West Main Street
Buckhannon, WV 26201

Medicare Provider Number: 510011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	5	20.0	17.2	*	60.0	25.1	*	60.0	30.1	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1987

Total Beds	48
Ownership/Control	Private, Non-Profit
STAFFING:	
Medical Residents/Interns	0
Registered Nurses	10
Licensed Practical Nurses	2

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

ELIZABETH COPLIN LEONARD MEM HOSPITAL

Medicare Provider Number: 510011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	24	8.3	7.4	*	8.3	11.5	*	8.3	15.2	*
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	23.1	*	100.0	25.8	*	100.0	29.6	*
Congestive Heart Failure	3	0.0	20.6	*	0.0	29.3	*	0.0	36.9	*
Pneumonia/Influenza	1	0.0	9.8	*	0.0	12.6	*	0.0	15.3	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	59	8.5	9.5	4.5	15.3	14.6	5.6	18.6	18.6	5.1
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	5.7	*	0.0	8.9	*	0.0	11.9	*
Congestive Heart Failure	3	0.0	11.8	*	0.0	18.9	*	0.0	25.2	*
Pneumonia/Influenza	11	18.2	18.6	*	36.4	25.7	*	36.4	31.0	*
Chronic Obstructive Pulmonary Disease	1	100.0	20.4	*	100.0	31.0	*	100.0	37.6	*
Transient Cerebral Ischemia	1	0.0	1.6	*	0.0	3.6	*	100.0	5.8	*
Stroke	3	33.3	20.1	*	33.3	27.1	*	33.3	32.7	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FAIRMONT GENERAL HOSPITAL

1325 Locust Ave
Fairmont, WV 26554

Medicare Provider Number: 510047

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,725	9.6	10.3	0.9	15.3	15.1	0.9	18.6	18.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	70	14.3	25.0	8.4	24.3	28.9	8.8	25.7	32.4	7.1
Congestive Heart Failure	122	12.3	16.6	6.1	24.6	25.2	5.0	27.9	32.0	4.8
Pneumonia/Influenza	111	8.1	15.6	4.8	13.5	21.2	5.4	19.8	25.6	5.1
Chronic Obstructive Pulmonary Disease	39	0.0	7.6	*	0.0	13.8	*	12.8	19.2	*
Transient Cerebral Ischemia	7	0.0	1.7	*	14.3	3.9	*	14.3	6.3	*
Stroke	83	26.5	22.5	5.6	31.3	28.9	5.4	33.7	33.6	5.8
Hip Fracture	81	7.4	6.4	3.0	12.3	11.6	3.7	13.6	15.0	4.3
Sepsis	21	23.8	25.0	*	28.6	31.2	*	38.1	36.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	2.7	*	18.2	5.7	*	18.2	8.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	45	6.7	4.3	*	8.9	7.9	*	8.9	10.3	*
Open Reduction of Hip Fracture	39	7.7	6.2	*	15.4	11.9	*	15.4	15.6	*
Prostatectomy	53	1.9	1.1	2.0	3.8	2.8	3.5	7.5	4.7	4.3
Cholecystectomy	49	0.0	3.1	*	4.1	5.1	*	6.1	6.4	*
Hysterectomy	14	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	230
Occupancy Rate	52
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	73
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	134
Licensed Practical Nurses	32

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FAIRMONT GENERAL HOSPITAL

Medicare Provider Number: 510047

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,421	9.4	10.1	0.9	14.3	14.7	1.1	18.4	18.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	59	40.7	29.9	9.9	45.8	33.7	10.7	50.8	37.5	10.9
Congestive Heart Failure	95	10.5	16.9	7.1	16.8	25.4	8.5	25.3	32.3	7.7
Pneumonia/Influenza	90	11.1	18.3	7.9	21.1	24.6	6.1	25.6	29.5	5.9
Chronic Obstructive Pulmonary Disease	32	12.5	7.2	*	18.8	13.0	*	31.3	18.1	*
Transient Cerebral Ischemia	10	0.0	2.4	*	0.0	5.6	*	10.0	9.0	*
Stroke	41	22.0	25.2	*	36.6	31.2	*	43.9	35.9	*
Hip Fracture	48	6.3	6.4	*	6.3	11.7	*	10.4	15.1	*
Sepsis	18	27.8	27.9	*	27.8	35.8	*	33.3	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	5.7	*	10.0	9.0	*	20.0	12.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	4.8	3.9	*	4.8	7.0	*	9.5	9.0	*
Open Reduction of Hip Fracture	29	3.4	5.9	*	3.4	11.1	*	6.9	14.6	*
Prostatectomy	68	0.0	1.5	2.0	1.5	3.2	2.4	1.5	5.0	3.3
Cholecystectomy	43	0.0	2.9	*	2.3	5.0	*	2.3	6.3	*
Hysterectomy	18	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,651	11.3	10.3	1.3	16.0	15.0	1.8	19.2	18.7	1.9
CONDITIONS:										
Acute Myocardial Infarction	94	25.5	26.7	4.8	35.1	30.2	5.4	36.2	33.9	5.5
Congestive Heart Failure	92	16.3	16.8	3.9	23.9	25.3	4.7	32.6	32.2	4.9
Pneumonia/Influenza	79	24.1	15.9	7.5	26.6	21.6	6.4	30.4	26.3	6.1
Chronic Obstructive Pulmonary Disease	31	16.1	6.2	*	22.6	11.3	*	35.5	15.5	*
Transient Cerebral Ischemia	12	8.3	1.7	*	16.7	3.7	*	16.7	6.0	*
Stroke	60	33.3	28.3	6.4	46.7	34.9	8.8	51.7	39.5	9.1
Hip Fracture	69	5.8	7.0	3.2	7.2	12.3	5.5	17.4	15.7	4.6
Sepsis	9	11.1	20.8	*	33.3	29.4	*	33.3	35.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.5	*	0.0	4.9	*	0.0	7.2	*
Carotid Endarterectomy	12	0.0	1.7	*	0.0	3.2	*	0.0	4.5	*
Hip Replacement/Reconstruction	47	4.3	3.8	*	6.4	7.4	*	10.6	10.0	*
Open Reduction of Hip Fracture	35	2.9	7.0	*	2.9	12.8	*	17.1	16.3	*
Prostatectomy	48	2.1	1.3	*	2.1	3.2	*	4.2	5.3	*
Cholecystectomy	58	3.4	3.1	2.9	5.2	5.5	3.1	8.6	7.1	4.6
Hysterectomy	22	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GRAFTON CITY HOSPITAL

Rt 50 & Market St
Grafton, WV 26354

Medicare Provider Number: 510020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	291	13.1	10.0	2.8	17.2	15.3	2.5	20.3	19.5	2.4
CONDITIONS:										
Acute Myocardial Infarction	6	66.7	28.2	*	66.7	31.6	*	66.7	34.9	*
Congestive Heart Failure	12	16.7	21.5	*	25.0	30.4	*	41.7	37.2	*
Pneumonia/Influenza	15	33.3	16.8	*	33.3	22.8	*	33.3	27.9	*
Chronic Obstructive Pulmonary Disease	3	0.0	6.4	*	0.0	11.3	*	33.3	15.4	*
Transient Cerebral Ischemia	2	0.0	2.1	*	0.0	4.7	*	0.0	7.6	*
Stroke	11	27.3	20.1	*	27.3	25.7	*	36.4	29.9	*
Hip Fracture	7	28.6	7.5	*	28.6	13.1	*	28.6	16.8	*
Sepsis	3	66.7	21.6	*	66.7	29.7	*	66.7	34.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*
Open Reduction of Hip Fracture	2	0.0	5.3	*	0.0	10.4	*	0.0	14.0	*
Prostatectomy	20	5.0	1.6	*	5.0	3.8	*	5.0	6.1	*
Cholecystectomy	4	0.0	4.3	*	0.0	9.1	*	0.0	12.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	127
Occupancy Rate	56
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	5
Percent of Physicians Board Certified Specialists	40
Medical Residents/Interns	0
Registered Nurses	14
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GRAFTON CITY HOSPITAL

Medicare Provider Number: 510020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	274	13.9	10.1	2.8	16.8	15.4	2.3	20.8	19.5	2.5
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	22.6	*	66.7	25.5	*	66.7	29.2	*
Congestive Heart Failure	17	35.3	19.2	*	41.2	29.5	*	47.1	37.4	*
Pneumonia/Influenza	9	22.2	15.5	*	22.2	21.2	*	22.2	25.7	*
Chronic Obstructive Pulmonary Disease	5	0.0	12.3	*	20.0	17.4	*	40.0	21.9	*
Transient Cerebral Ischemia	10	0.0	2.8	*	10.0	6.2	*	20.0	9.7	*
Stroke	5	0.0	23.5	*	0.0	28.7	*	20.0	33.0	*
Hip Fracture	9	0.0	6.9	*	0.0	12.3	*	0.0	15.5	*
Sepsis	2	0.0	27.0	*	0.0	31.9	*	50.0	37.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	6.4	*	0.0	11.6	*	0.0	14.5	*
Open Reduction of Hip Fracture	3	0.0	6.0	*	0.0	11.5	*	0.0	15.0	*
Prostatectomy	9	0.0	1.2	*	0.0	3.0	*	0.0	5.2	*
Cholecystectomy	5	20.0	3.1	*	20.0	5.3	*	20.0	6.6	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	248	14.9	13.2	2.6	19.4	18.9	2.5	24.2	23.1	3.1
CONDITIONS:										
Acute Myocardial Infarction	7	57.1	33.6	*	57.1	36.5	*	71.4	40.1	*
Congestive Heart Failure	17	11.8	22.0	*	29.4	30.9	*	29.4	38.0	*
Pneumonia/Influenza	4	25.0	17.6	*	25.0	25.0	*	25.0	30.6	*
Chronic Obstructive Pulmonary Disease	6	0.0	20.7	*	0.0	27.2	*	16.7	32.2	*
Transient Cerebral Ischemia	8	0.0	2.5	*	0.0	5.7	*	0.0	9.1	*
Stroke	13	15.4	22.2	*	15.4	29.1	*	23.1	34.1	*
Hip Fracture	5	0.0	6.8	*	0.0	12.6	*	0.0	16.4	*
Sepsis	2	50.0	39.2	*	50.0	49.3	*	50.0	56.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.1	*	0.0	5.5	*	0.0	6.8	*
Open Reduction of Hip Fracture	2	0.0	6.9	*	0.0	13.4	*	0.0	17.6	*
Prostatectomy	7	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*
Cholecystectomy	2	0.0	2.9	*	50.0	6.1	*	50.0	9.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GRANT MEMORIAL HOSPITAL

P O Box 1029
Petersburg, WV 26847

Medicare Provider Number: 510026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	485	4.9	8.0	1.7	9.7	12.9	2.2	12.2	16.7	2.5
CONDITIONS:										
Acute Myocardial Infarction	11	9.1	21.0	*	9.1	24.9	*	9.1	28.6	*
Congestive Heart Failure	33	6.1	16.3	*	15.2	25.4	*	24.2	32.5	*
Pneumonia/Influenza	16	12.5	13.5	*	18.8	18.3	*	18.8	22.5	*
Chronic Obstructive Pulmonary Disease	10	20.0	6.0	*	20.0	10.9	*	30.0	15.3	*
Transient Cerebral Ischemia	12	0.0	2.2	*	0.0	4.9	*	0.0	8.0	*
Stroke	12	16.7	22.1	*	25.0	28.0	*	25.0	32.5	*
Hip Fracture	2	0.0	7.2	*	0.0	12.0	*	0.0	15.2	*
Sepsis	1	0.0	28.6	*	0.0	36.5	*	0.0	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	15	0.0	5.3	*	0.0	8.4	*	0.0	10.2	*
Hysterectomy	4	0.0	1.4	*	0.0	2.8	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	59
Occupancy Rate	68
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	12
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	0
Registered Nurses	47
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GRANT MEMORIAL HOSPITAL

Medicare Provider Number: 510026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	485	7.0	8.2	1.5	11.5	12.6	1.8	14.6	16.3	2.5
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	31.2	*	22.2	34.4	*	33.3	38.0	*
Congestive Heart Failure	30	16.7	15.1	*	30.0	23.4	*	33.3	30.2	*
Pneumonia/Influenza	15	20.0	13.1	*	26.7	18.0	*	26.7	21.8	*
Chronic Obstructive Pulmonary Disease	8	37.5	10.4	*	37.5	19.5	*	37.5	26.7	*
Transient Cerebral Ischemia	11	0.0	2.3	*	0.0	5.3	*	9.1	8.4	*
Stroke	19	26.3	27.3	*	31.6	34.5	*	31.6	39.6	*
Hip Fracture	2	0.0	4.8	*	50.0	9.5	*	50.0	12.6	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	7	0.0	7.1	*	28.6	13.6	*	28.6	17.7	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	473	8.0	8.2	1.3	10.6	12.5	1.7	14.2	16.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	11	54.5	37.6	*	54.5	41.5	*	54.5	44.7	*
Congestive Heart Failure	26	7.7	14.6	*	7.7	21.3	*	15.4	27.3	*
Pneumonia/Influenza	17	29.4	16.2	*	29.4	21.6	*	29.4	26.5	*
Chronic Obstructive Pulmonary Disease	14	0.0	8.2	*	7.1	16.4	*	21.4	24.0	*
Transient Cerebral Ischemia	15	6.7	2.6	*	6.7	6.1	*	6.7	9.9	*
Stroke	10	40.0	19.3	*	40.0	25.1	*	40.0	29.8	*
Hip Fracture	1	0.0	4.7	*	0.0	8.4	*	0.0	11.2	*
Sepsis	6	16.7	34.7	*	16.7	40.7	*	16.7	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	1.1	*	0.0	2.1	*	0.0	2.8	*
Hysterectomy	5	0.0	0.3	*	0.0	0.8	*	0.0	1.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

GUYAN VALLEY HOSPITAL

396 Dingess St
Logan, WV 25601

Medicare Provider Number: 510004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	84	9.5	10.8	4.3	16.7	16.2	5.8	26.2	20.5	6.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	7	14.3	10.8	*	14.3	17.8	*	14.3	23.9	*
Pneumonia/Influenza	28	21.4	16.4	*	25.0	22.8	*	32.1	27.7	*
Chronic Obstructive Pulmonary Disease	8	12.5	5.0	*	12.5	9.4	*	12.5	13.4	*
Transient Cerebral Ischemia	3	0.0	1.2	*	0.0	2.6	*	0.0	4.2	*
Stroke	1	0.0	18.6	*	0.0	23.2	*	0.0	27.2	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	23
Occupancy Rate	50
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	45
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	11
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GUYAN VALLEY HOSPITAL

Medicare Provider Number: 510004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	79	5.1	8.2	3.7	11.4	12.5	5.2	13.9	16.1	4.8
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	6	0.0	21.3	*	0.0	27.6	*	16.7	32.9	*
Pneumonia/Influenza	16	6.3	15.6	*	25.0	21.3	*	25.0	25.6	*
Chronic Obstructive Pulmonary Disease	5	0.0	2.3	*	40.0	4.6	*	40.0	6.6	*
Transient Cerebral Ischemia	2	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke	2	0.0	16.2	*	0.0	21.4	*	0.0	25.7	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	63	17.5	12.8	5.7	25.4	19.4	7.5	28.6	24.3	7.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	2	0.0	18.5	*	0.0	29.6	*	0.0	38.5	*
Pneumonia/Influenza	10	50.0	15.7	*	60.0	21.8	*	60.0	26.7	*
Chronic Obstructive Pulmonary Disease	4	0.0	6.6	*	0.0	11.4	*	0.0	15.5	*
Transient Cerebral Ischemia	1	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*
Stroke	1	0.0	16.1	*	0.0	21.5	*	0.0	26.1	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HAMPSHIRE MEMORIAL HOSPITAL

P O Box 555
Romney, WV 26757

Medicare Provider Number: 510036

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	142	5.6	9.3	3.4	11.3	13.7	3.7	15.5	17.4	3.4
CONDITIONS:										
Acute Myocardial Infarction	7	28.6	34.5	*	57.1	38.6	*	57.1	43.1	*
Congestive Heart Failure	14	0.0	11.7	*	14.3	18.6	*	21.4	25.0	*
Pneumonia/Influenza	15	0.0	13.7	*	6.7	18.9	*	6.7	23.0	*
Chronic Obstructive Pulmonary Disease	6	0.0	7.9	*	0.0	15.4	*	0.0	21.9	*
Transient Cerebral Ischemia	1	0.0	2.3	*	0.0	4.8	*	0.0	7.7	*
Stroke	5	40.0	16.7	*	40.0	23.1	*	40.0	27.5	*
Hip Fracture	1	0.0	3.9	*	0.0	7.6	*	0.0	10.4	*
Sepsis	2	50.0	24.1	*	50.0	34.7	*	50.0	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	5	0.0	1.5	*	0.0	2.6	*	0.0	3.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	47
Occupancy Rate	75
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	6
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	10
Licensed Practical Nurses	2

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HAMPSHIRE MEMORIAL HOSPITAL

Medicare Provider Number: 510036

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	126	12.7	9.3	3.1	15.9	13.9	3.6	21.4	17.6	3.8
CONDITIONS:										
Acute Myocardial Infarction	8	37.5	27.1	*	37.5	29.4	*	37.5	32.3	*
Congestive Heart Failure	12	16.7	10.9	*	16.7	17.2	*	25.0	22.7	*
Pneumonia/Influenza	9	22.2	11.0	*	22.2	15.1	*	22.2	18.5	*
Chronic Obstructive Pulmonary Disease	6	0.0	9.5	*	0.0	15.5	*	16.7	20.4	*
Transient Cerebral Ischemia	3	0.0	1.4	*	33.3	3.1	*	33.3	4.9	*
Stroke	4	0.0	17.2	*	0.0	23.1	*	0.0	27.6	*
Hip Fracture	4	25.0	6.4	*	25.0	11.6	*	25.0	15.1	*
Sepsis	1	0.0	17.3	*	0.0	29.0	*	100.0	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	7.1	*	0.0	11.8	*	0.0	14.3	*
Open Reduction of Hip Fracture	2	50.0	6.1	*	50.0	12.0	*	50.0	16.2	*
Prostatectomy	0									
Cholecystectomy	4	0.0	1.3	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	168	12.5	9.6	3.7	19.6	14.5	4.8	23.2	18.7	5.1
CONDITIONS:										
Acute Myocardial Infarction	15	53.3	25.2	*	53.3	28.6	*	60.0	32.4	*
Congestive Heart Failure	13	7.7	14.7	*	15.4	22.7	*	23.1	29.5	*
Pneumonia/Influenza	15	20.0	14.7	*	33.3	20.6	*	33.3	25.7	*
Chronic Obstructive Pulmonary Disease	4	25.0	9.3	*	25.0	18.6	*	25.0	26.9	*
Transient Cerebral Ischemia	1	0.0	4.3	*	0.0	10.6	*	0.0	18.1	*
Stroke	4	0.0	19.0	*	0.0	26.6	*	0.0	31.7	*
Hip Fracture	3	33.3	3.6	*	33.3	7.6	*	33.3	10.8	*
Sepsis	3	33.3	24.4	*	100.0	31.7	*	100.0	38.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	5.0	*	0.0	11.6	*	0.0	17.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.8	*	0.0	5.9	*	0.0	8.5	*
Open Reduction of Hip Fracture	1	100.0	4.2	*	100.0	9.3	*	100.0	13.4	*
Prostatectomy	0									
Cholecystectomy	6	16.7	3.4	*	33.3	6.5	*	33.3	8.6	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HCA PUTNAM GENERAL HOSPITAL

1400 Hospital Drive
Hurricane, WV 25526

Medicare Provider Number: 510085

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	637	9.4	11.1	2.0	15.4	16.7	2.3	19.2	20.8	2.6
CONDITIONS:										
Acute Myocardial Infarction	26	19.2	24.1	*	26.9	27.5	*	26.9	30.8	*
Congestive Heart Failure	33	21.2	16.8	*	24.2	26.5	*	30.3	34.2	*
Pneumonia/Influenza	29	20.7	21.2	*	27.6	28.0	*	31.0	33.1	*
Chronic Obstructive Pulmonary Disease	11	9.1	6.2	*	18.2	12.0	*	27.3	17.3	*
Transient Cerebral Ischemia	12	0.0	2.2	*	0.0	4.7	*	0.0	7.4	*
Stroke	30	0.0	20.8	*	10.0	27.1	*	16.7	31.5	*
Hip Fracture	23	13.0	7.7	*	21.7	13.1	*	21.7	16.6	*
Sepsis	14	28.6	24.9	*	28.6	32.3	*	28.6	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.8	*	0.0	8.8	*	0.0	12.2	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	7	0.0	5.8	*	14.3	10.3	*	14.3	13.2	*
Open Reduction of Hip Fracture	14	14.3	7.2	*	21.4	12.8	*	21.4	16.3	*
Prostatectomy	12	0.0	3.9	*	0.0	7.3	*	8.3	10.7	*
Cholecystectomy	15	0.0	4.8	*	6.7	9.0	*	13.3	12.2	*
Hysterectomy	6	0.0	1.1	*	16.7	2.3	*	16.7	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	60
Occupancy Rate	58
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	35
Percent of Physicians Board Certified Specialists	94
Medical Residents/Interns	0
Registered Nurses	59
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HCA PUTNAM GENERAL HOSPITAL

Medicare Provider Number: 510085

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	635	12.0	12.1	1.4	18.6	17.8	2.1	22.8	22.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	20	40.0	25.7	*	40.0	29.2	*	45.0	32.9	*
Congestive Heart Failure	32	15.6	16.5	*	21.9	25.1	*	34.4	32.1	*
Pneumonia/Influenza	29	20.7	19.6	*	44.8	26.7	*	51.7	31.9	*
Chronic Obstructive Pulmonary Disease	22	9.1	6.2	*	13.6	10.8	*	18.2	15.0	*
Transient Cerebral Ischemia	11	0.0	2.8	*	0.0	6.3	*	0.0	10.0	*
Stroke	27	14.8	27.4	*	25.9	34.6	*	29.6	39.3	*
Hip Fracture	16	0.0	8.2	*	6.3	14.1	*	6.3	17.4	*
Sepsis	16	25.0	34.6	*	43.8	41.3	*	43.8	46.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	6.0	*	11.1	10.8	*	11.1	13.5	*
Open Reduction of Hip Fracture	8	0.0	7.2	*	0.0	13.1	*	0.0	16.8	*
Prostatectomy	18	5.6	0.9	*	5.6	2.3	*	5.6	4.0	*
Cholecystectomy	9	0.0	1.8	*	0.0	2.6	*	0.0	3.3	*
Hysterectomy	3	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	549	12.9	11.1	2.3	17.1	16.6	2.1	20.8	20.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	17	47.1	24.8	*	47.1	27.4	*	47.1	30.4	*
Congestive Heart Failure	32	9.4	17.5	*	15.6	25.7	*	28.1	32.6	*
Pneumonia/Influenza	21	14.3	15.5	*	19.0	21.7	*	23.8	26.5	*
Chronic Obstructive Pulmonary Disease	14	7.1	5.5	*	7.1	11.6	*	7.1	17.2	*
Transient Cerebral Ischemia	5	20.0	4.1	*	40.0	9.6	*	40.0	15.6	*
Stroke	24	12.5	19.8	*	12.5	26.5	*	20.8	31.0	*
Hip Fracture	23	0.0	7.7	*	8.7	13.6	*	13.0	17.2	*
Sepsis	8	37.5	30.0	*	50.0	42.1	*	50.0	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.2	*	0.0	9.0	*	0.0	14.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	5.9	*	0.0	10.8	*	0.0	13.7	*
Open Reduction of Hip Fracture	11	0.0	6.2	*	0.0	11.3	*	9.1	14.7	*
Prostatectomy	21	0.0	1.5	*	9.5	3.6	*	9.5	6.1	*
Cholecystectomy	13	0.0	2.1	*	0.0	3.4	*	0.0	4.2	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

387.1

HCA Putnam General Hospital

PROVIDER NUMBER 510085

JANUARY 11, 1990

HEALTHCARE FINANCING ADMINISTRATION
HEALTH STANDARDS AND QUALITY BUREAU
ATTENTION: MRS. SANDRA KAPPERT
2-D-2 MEADOWS EAST BUILDING
6325 SECURITY BOULEVARD
BALTIMORE, MD 21207

SUBJECT: 1990 HCFA MORTALITY RATES

Dear Mrs. Kappert:

The thrust of our comments is two-fold relative to:
a. Calculation Methodology, and
b. Presentation of raw data to the public as a measurement of quality patient care.

CALCULATION OF STATISTICS

The method whereby actual mortality rates are calculated results in a figure that is very misleading to the general public. By inclusion of deaths occurring outside the facility, but within 30, 90 and 180 days of admission, the percentages are the result of counting cases which traditionally have not been used to determine hospital mortality rates. By using the admission date rather than the discharge date, data manipulation is limited in determining if there is a possibility patients may have been discharged too soon.

The case selection process is questionable as well. In many instances in the review of our hospital data, it was noted that the patients had one or more admissions during the intervening time period between the selected case for review and the actual date of death. This is particularly significant if the cause of death was not related to the hospitalization selected for the sample.

The percentages presented in the mortality rate annual report would be more meaningful to the hospitals and to the general public if the following factors were used:

1. The number of patients who expired within the facility.

1400 Hospital Drive
Post Office Box 900
Hurricane, West Virginia 25526-0900
Telephone (304) 757-9800
A subsidiary of HCA The Healthcare Company

PROVIDER NUMBER 510085

SUBJECT: 1990 MORTALITY RATES COMMENTS
JANUARY 11, 1991
PAGE 2

2. The number of patients who expired withn 30 days of the last discharge.
    a. If the death was related to the last discharge, include in a gross mortality rate calculation.
    b. If the death was NOT related to the last discharge, then delete from gross mortality rate to achieve an adjusted mortality rate and report as a separate figure.
3. Include other factors to account for area case-mix, severity of illness and expected outcome.

QUALITY OF CARE ISSUE

Utilizing death rates as a sole method of measuring the presence or absence of quality care in any hosptial is an extremely rigid "ruler" which is not accurate in that it does not consider any other measurable factors which may account for higher or lower rates. Presentation of this raw data to the public without any qualifying or explanatory information may be perceived by the public to be a true measure of quality care. This perception alone may be enough of an influence to cause patients to choose one facility over another as the provider of his/her health care.

Respectfully,

Tania L Cody

Dennis P. Bridgeman
Administrator

Tania L. Cody, ART, RRA
Director, Medical Records

HCA RIVER PARK HOSPITAL

1230 6th Ave
Huntington, WV 25701

Medicare Provider Number: 510014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	40	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	96
Occupancy Rate	62
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	5
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	50
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

HCA RIVER PARK HOSPITAL

Medicare Provider Number: 510014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
CATEGORY	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	218	9.2	7.9	2.4	13.3	11.3	2.5	16.1	14.1	2.7
CONDITIONS:										
Acute Myocardial Infarction	6	33.3	30.0	*	50.0	32.9	*	50.0	36.2	*
Congestive Heart Failure	7	14.3	13.2	*	14.3	20.1	*	14.3	26.2	*
Pneumonia/Influenza	12	25.0	20.5	*	25.0	27.8	*	41.7	33.4	*
Chronic Obstructive Pulmonary Disease	4	25.0	9.7	*	25.0	15.3	*	25.0	19.4	*
Transient Cerebral Ischemia	7	14.3	2.9	*	28.6	6.1	*	42.9	9.5	*
Stroke	6	0.0	23.9	*	16.7	30.5	*	16.7	35.3	*
Hip Fracture	5	0.0	5.8	*	20.0	10.9	*	20.0	14.2	*
Sepsis	2	100.0	42.6	*	100.0	51.7	*	100.0	58.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	3	0.0	1.2	*	33.3	2.1	*	33.3	3.1	*
Hip Replacement/Reconstruction	3	0.0	0.7	*	0.0	1.0	*	0.0	1.5	*
Open Reduction of Hip Fracture	0									
Prostatectomy	4	0.0	1.9	*	0.0	4.6	*	0.0	7.4	*
Cholecystectomy	1	0.0	11.3	*	0.0	15.6	*	0.0	17.3	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
CATEGORY	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	377	9.0	9.3	2.0	15.4	13.3	2.1	19.6	16.7	3.1
CONDITIONS:										
Acute Myocardial Infarction	23	17.4	29.2	*	21.7	32.5	*	21.7	36.0	*
Congestive Heart Failure	18	5.6	13.9	*	16.7	20.9	*	38.9	27.0	*
Pneumonia/Influenza	21	9.5	13.6	*	14.3	18.5	*	23.8	22.5	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.8	*	33.3	13.9	*	33.3	19.7	*
Transient Cerebral Ischemia	13	0.0	1.8	*	0.0	3.6	*	0.0	5.5	*
Stroke	14	21.4	19.4	*	35.7	27.2	*	42.9	32.3	*
Hip Fracture	10	0.0	6.6	*	10.0	12.3	*	20.0	15.9	*
Sepsis	9	66.7	35.4	*	77.8	42.0	*	77.8	47.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	10	0.0	1.4	*	10.0	2.5	*	10.0	3.6	*
Hip Replacement/Reconstruction	3	0.0	1.4	*	0.0	2.6	*	0.0	3.4	*
Open Reduction of Hip Fracture	3	0.0	4.0	*	0.0	7.8	*	33.3	10.4	*
Prostatectomy	10	0.0	0.9	*	0.0	2.2	*	0.0	3.8	*
Cholecystectomy	7	14.3	4.5	*	14.3	7.3	*	14.3	9.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HERBERT J THOMAS MEMORIAL HOSPITAL

4605 MacCorkle Ave SW
South Charleston, WV 25309

Medicare Provider Number: 510029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,137	10.3	9.1	0.9	15.6	13.8	1.1	19.0	17.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	85	27.1	22.6	6.0	30.6	25.9	5.5	30.6	29.2	5.0
Congestive Heart Failure	120	19.2	15.7	5.7	28.3	24.4	6.0	32.5	31.3	4.4
Pneumonia/Influenza	51	21.6	14.4	10.4	25.5	19.5	10.5	27.5	23.6	8.5
Chronic Obstructive Pulmonary Disease	63	7.9	7.4	4.5	17.5	12.7	6.2	19.0	17.2	5.4
Transient Cerebral Ischemia	31	0.0	1.9	*	3.2	4.2	*	3.2	6.7	*
Stroke	78	20.5	21.4	4.7	26.9	28.8	5.9	32.1	33.4	5.4
Hip Fracture	56	1.8	5.4	3.8	5.4	9.8	4.8	10.7	12.9	4.7
Sepsis	28	35.7	31.2	*	39.3	39.6	*	46.4	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	2.1	*	10.0	4.7	*	15.0	7.4	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	23	4.3	4.5	*	8.7	8.6	*	21.7	11.6	*
Open Reduction of Hip Fracture	30	0.0	5.2	*	3.3	9.7	*	3.3	12.8	*
Prostatectomy	89	2.2	0.8	1.4	3.4	2.0	2.7	5.6	3.4	3.2
Cholecystectomy	79	3.8	2.2	1.9	8.9	4.1	3.6	11.4	5.6	4.7
Hysterectomy	13	0.0	1.3	*	0.0	2.6	*	0.0	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	258
Occupancy Rate	55
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	99
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	0
Registered Nurses	125
Licensed Practical Nurses	68

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HERBERT J THOMAS MEMORIAL HOSPITAL

Medicare Provider Number: 510029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,184	9.4	9.1	0.7	14.6	13.7	1.0	18.2	17.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	93	21.5	24.5	5.5	24.7	27.7	5.4	30.1	31.2	4.9
Congestive Heart Failure	116	16.4	14.9	3.4	20.7	22.5	3.9	22.4	29.0	5.0
Pneumonia/Influenza	86	15.1	14.9	3.9	24.4	20.4	6.0	30.2	24.6	7.4
Chronic Obstructive Pulmonary Disease	51	5.9	5.8	3.4	9.8	10.8	4.9	13.7	15.1	5.2
Transient Cerebral Ischemia	56	0.0	1.9	*	1.8	4.1	*	8.9	6.4	*
Stroke	67	11.9	19.5	6.8	23.9	25.9	7.8	29.9	30.2	5.6
Hip Fracture	77	10.4	6.6	5.3	16.9	12.1	6.3	19.5	15.7	6.6
Sepsis	24	25.0	23.2	*	37.5	31.6	*	41.7	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	16.7	7.3	*	22.2	10.3	*	22.2	12.8	*
Carotid Endarterectomy	6	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	33	6.1	4.7	*	9.1	9.2	*	12.1	12.2	*
Open Reduction of Hip Fracture	40	15.0	6.1	*	22.5	11.6	*	25.0	15.3	*
Prostatectomy	85	1.2	1.3	1.3	1.2	2.7	2.1	3.5	4.2	2.3
Cholecystectomy	69	1.4	2.6	2.7	1.4	4.4	4.2	2.9	5.6	5.0
Hysterectomy	20	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,177	10.2	8.9	1.2	14.1	13.5	0.9	18.0	17.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	66	30.3	30.6	5.7	33.3	34.2	6.2	37.9	37.6	6.0
Congestive Heart Failure	98	18.4	15.9	4.2	24.5	23.9	4.5	30.6	30.5	5.4
Pneumonia/Influenza	93	16.1	15.7	3.8	20.4	21.9	4.9	28.0	26.6	5.5
Chronic Obstructive Pulmonary Disease	26	19.2	8.8	*	23.1	14.9	*	30.8	20.0	*
Transient Cerebral Ischemia	42	2.4	1.8	*	4.8	3.8	*	4.8	5.9	*
Stroke	59	20.3	17.4	5.7	30.5	24.4	9.4	35.6	28.7	9.0
Hip Fracture	54	3.7	6.5	4.3	11.1	11.9	4.9	16.7	15.5	5.3
Sepsis	31	38.7	27.3	*	45.2	36.0	*	51.6	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	10.5	4.4	*	10.5	7.5	*	15.8	10.0	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	25	0.0	6.7	*	8.0	13.1	*	12.0	17.6	*
Open Reduction of Hip Fracture	30	3.3	4.3	*	6.7	8.2	*	16.7	11.0	*
Prostatectomy	88	1.1	0.8	1.2	2.3	2.0	2.1	3.4	3.4	3.1
Cholecystectomy	53	0.0	3.7	*	0.0	5.6	*	0.0	6.8	*
Hysterectomy	15	0.0	0.9	*	0.0	1.8	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Gary L. Park
President and Chief Executive Officer

Thomas Memorial Hospital
4605 MacCorkle Avenue, S.W.
South Charleston, West Virginia 25309
304-766-3523

January 8, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra K. Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Hospital Identification No. 510029

Dear Mrs. Kappert:

Thomas Memorial Hospital's 1989 Mortality Data as compiled by the Heath Care Financing Administration has been reviewed. Our Medical Records Department has found that the information regarding Medicare patients who were admitted to and died in our facility within the designated time frame to be substantially correct. Difficulty substantiating death following discharge from our hospital remains a problem and we therefore cannot confirm the accuracy of your data.

The new methodology used in presenting your data, while somewhat more cumbersome, may well avoid the probability of consumers using the published information as a reliable guide to an individual hospital's quality and performance. Should this prove to be the case, hospitals' concern over the published release of such data should be lessened.

The separation of your statistics into both medically diagnostic and surgical procedural categories should prove more useful than the previously used diagnostic only categories. However, the inability to factor in the severity of illnesses in your data remains one of its greatest shortcomings. This is especially so in light of Medicare populations ever increasing numbers and median age which guarantees more complex medical and surgical problems when admitted and reduce the probability of favorable outcomes.

While we derive some comfort from the statistics presented as they may relate to quality in our institution, we nevertheless remain committed to the pursuit of excellence in the care and management of our hospital patient population entrusted to our care.

Sincerely,

Gary L Park
Gary L. Park
President

George W. Hogshead, M.D.
George W. Hogshead, M.D.
Medical Director

GLP:GWH/bjs

THOMAS

HUMANA HOSPITAL GREENBRIER VALLEY

P O Box 497
Ronceverte, WV 24970

Medicare Provider Number: 510002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,279	10.2	10.1	0.8	15.4	14.7	1.2	17.6	18.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	39	30.8	27.9	*	35.9	31.3	*	35.9	34.8	*
Congestive Heart Failure	39	23.1	17.5	*	28.2	26.6	*	41.0	33.8	*
Pneumonia/Influenza	106	17.9	17.6	3.8	22.6	23.5	4.4	27.4	28.2	4.5
Chronic Obstructive Pulmonary Disease	26	0.0	7.7	*	3.8	14.1	*	3.8	19.9	*
Transient Cerebral Ischemia	28	10.7	2.7	*	14.3	6.3	*	14.3	10.3	*
Stroke	48	16.7	18.0	*	27.1	25.4	*	31.3	29.9	*
Hip Fracture	40	7.5	7.0	*	10.0	12.3	*	10.0	15.8	*
Sepsis	22	27.3	27.9	*	31.8	34.6	*	31.8	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	37	5.4	3.5	*	10.8	6.7	*	13.5	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	4.3	3.6	*	8.7	6.7	*	8.7	8.8	*
Open Reduction of Hip Fracture	18	11.1	7.8	*	11.1	14.3	*	11.1	18.7	*
Prostatectomy	99	1.0	0.7	0.9	2.0	1.8	1.6	2.0	3.0	2.3
Cholecystectomy	24	4.2	2.9	*	4.2	5.2	*	8.3	6.8	*
Hysterectomy	6	0.0	0.6	*	0.0	1.5	*	16.7	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	122
Occupancy Rate	56
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	43
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	0
Registered Nurses	57
Licensed Practical Nurses	38

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HUMANA HOSPITAL GREENBRIER VALLEY

Medicare Provider Number: 510002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,095	10.5	9.7	1.6	15.4	14.3	1.7	18.6	17.9	1.6
CONDITIONS:										
Acute Myocardial Infarction	58	27.6	25.2	6.1	31.0	28.4	6.3	31.0	31.8	6.3
Congestive Heart Failure	58	15.5	14.9	5.6	25.9	23.1	8.7	36.2	29.6	12.7
Pneumonia/Influenza	81	21.0	17.7	7.4	28.4	24.2	10.2	35.8	29.2	11.2
Chronic Obstructive Pulmonary Disease	13	7.7	5.9	*	7.7	10.7	*	15.4	15.2	*
Transient Cerebral Ischemia	12	0.0	2.1	*	0.0	4.6	*	0.0	7.2	*
Stroke	59	23.7	20.4	7.6	30.5	27.2	7.4	30.5	31.7	6.4
Hip Fracture	42	11.9	6.0	*	16.7	11.0	*	19.0	14.2	*
Sepsis	12	25.0	22.0	*	25.0	31.3	*	25.0	37.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	3.8	*	11.1	6.6	*	11.1	9.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	3.7	*	6.7	7.3	*	6.7	9.7	*
Open Reduction of Hip Fracture	25	16.0	5.6	*	20.0	10.6	*	24.0	14.0	*
Prostatectomy	89	2.2	0.8	1.8	3.4	2.0	2.3	3.4	3.4	2.2
Cholecystectomy	19	5.3	3.2	*	5.3	5.3	*	5.3	6.9	*
Hysterectomy	11	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,105	9.4	8.6	1.4	13.3	13.1	1.7	17.1	16.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	47	27.7	25.3	*	38.3	28.8	*	38.3	32.0	*
Congestive Heart Failure	40	20.0	15.8	*	32.5	24.3	*	40.0	31.2	*
Pneumonia/Influenza	79	16.5	15.5	4.2	21.5	21.3	4.7	30.4	25.9	6.2
Chronic Obstructive Pulmonary Disease	21	14.3	6.8	*	14.3	11.3	*	14.3	14.9	*
Transient Cerebral Ischemia	16	0.0	1.2	*	0.0	2.7	*	0.0	4.2	*
Stroke	66	18.2	19.2	4.9	24.2	26.7	5.6	25.8	31.5	6.7
Hip Fracture	24	4.2	6.3	*	4.2	11.3	*	12.5	14.6	*
Sepsis	4	50.0	20.2	*	50.0	29.1	*	50.0	35.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.9	*	12.5	10.5	*	12.5	15.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	0.0	3.9	*	0.0	6.8	*	6.3	8.7	*
Open Reduction of Hip Fracture	15	6.7	5.9	*	6.7	11.1	*	13.3	14.4	*
Prostatectomy	61	0.0	0.7	1.5	0.0	1.7	2.6	3.3	3.0	2.2
Cholecystectomy	25	0.0	1.3	*	0.0	2.3	*	4.0	3.2	*
Hysterectomy	7	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Humana Hospital
Greenbrier Valley

January 7, 1991

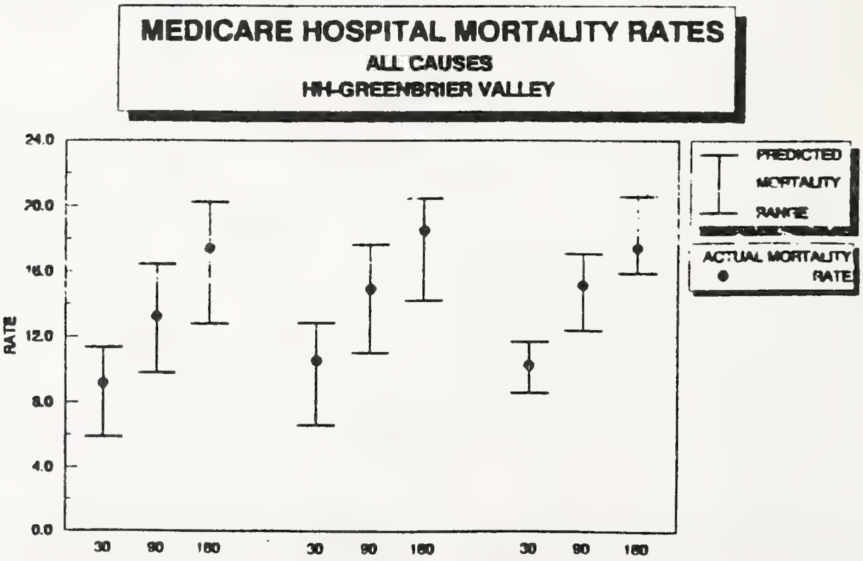
CERTIFIED MAIL
P 507 574 773

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Thank you for the opportunity to review and comment on the Medicare mortality rates you provided for Humana Hospital - Greenbrier Valley. Since the mortality rates will be interpreted by the public, it is essential the data be easily understandable. Unfortunately, the presentation of the data in the format you provided is difficult to understand, and wrong conclusions may be reached by readers attempting to evaluate the hospital's observed rate against the predicted mortality rate.

For areas where a standard deviation has been provided, we urge that a predicted range be calculated and displayed as in past years. This would allow for much less potential error of interpretation. To aid readers, in understanding the data for Humana Hospital - Greenbrier Valley, we have computed a range for the "All Causes" category for the 30, 90 and 180-day intervals for 1987, 1988 and 1989. The range represents a 95% prediction interval using the technical information provided. The data are displayed graphically below.



ARE HOSPITAL MORTALITY INFORMATION 1987, 1988, 1989

The Vertical Lines represent the predicted ranges and the dot represents the hospitals observed rate.

For some categories, observed and predicted mortality rates are published without an accompanying standard deviation. If "the number of cases or deaths in any category is too small to permit satisfactory estimation of the standard deviation," it is also inappropriate to publish predicted rates in that category due to the potential for misinterpretation.

We support the Health Care Financing Administration's continuing effort to provide reliable mortality data. Mortality rates are an important clinical indicator; however, they are not the sole element in evaluating patient care given in a hospital. At Humana Hospital - Greenbrier Valley, we have established, in conjunction with our medical staff, an on-going, comprehensive quality management program.

Thank you again for the opportunity to review the data before publication. We hope you will give serious thought to our comments and not release the information to the public without modifying it to make it more meaningful and understandable.

Sincerely,

Davide Carbone, Interim Executive Director
Humana Hospital - Greenbrier Valley

HUMANA HOSPITAL ST LUKES

1333 Southview Drive
Bluefield, WV 24701

Medicare Provider Number: 510067

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	716	8.0	9.5	1.5	13.5	14.2	2.2	15.8	17.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	20	20.0	28.2	*	20.0	31.5	*	25.0	34.8	*
Congestive Heart Failure	47	10.6	15.1	*	14.9	23.6	*	19.1	30.6	*
Pneumonia/Influenza	40	2.5	14.5	*	10.0	19.9	*	10.0	24.3	*
Chronic Obstructive Pulmonary Disease	11	9.1	4.8	*	18.2	9.7	*	18.2	14.1	*
Transient Cerebral Ischemia	4	0.0	2.0	*	0.0	4.2	*	0.0	6.7	*
Stroke	19	21.1	21.1	*	26.3	26.7	*	26.3	31.0	*
Hip Fracture	9	0.0	5.7	*	0.0	10.2	*	0.0	13.1	*
Sepsis	20	35.0	34.5	*	45.0	46.2	*	45.0	53.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.0	*	0.0	2.2	*	0.0	3.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	2.5	*	0.0	4.6	*	0.0	6.2	*
Open Reduction of Hip Fracture	5	0.0	3.9	*	0.0	7.5	*	0.0	10.1	*
Prostatectomy	25	0.0	0.9	*	0.0	2.1	*	4.0	3.5	*
Cholecystectomy	15	6.7	2.2	*	6.7	4.5	*	6.7	6.4	*
Hysterectomy	6	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	79
Occupancy Rate	60
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	24
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	2
Registered Nurses	62
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HUMANA HOSPITAL ST LUKES

Medicare Provider Number: 510067

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	585	9.1	8.5	1.3	13.8	13.2	1.4	16.6	16.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	17	41.2	26.7	*	47.1	29.7	*	52.9	32.9	*
Congestive Heart Failure	22	18.2	16.9	*	22.7	26.2	*	31.8	33.4	*
Pneumonia/Influenza	19	15.8	15.5	*	21.1	20.8	*	21.1	25.1	*
Chronic Obstructive Pulmonary Disease	16	6.3	5.8	*	12.5	10.4	*	12.5	14.4	*
Transient Cerebral Ischemia	5	0.0	2.1	*	0.0	4.5	*	0.0	7.2	*
Stroke	15	13.3	15.4	*	20.0	21.3	*	20.0	25.6	*
Hip Fracture	10	0.0	6.3	*	10.0	11.4	*	10.0	14.6	*
Sepsis	5	60.0	31.2	*	60.0	38.2	*	60.0	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	0.7	*	0.0	1.8	*	0.0	2.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	3.0	*	0.0	6.0	*	0.0	8.0	*
Open Reduction of Hip Fracture	5	0.0	6.7	*	20.0	12.4	*	20.0	15.9	*
Prostatectomy	9	0.0	1.2	*	0.0	3.0	*	0.0	5.0	*
Cholecystectomy	9	11.1	4.9	*	11.1	9.3	*	11.1	12.2	*
Hysterectomy	1	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	527	7.6	7.7	1.2	12.1	12.3	1.5	17.6	16.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	20.1	*	36.4	23.3	*	54.5	26.3	*
Congestive Heart Failure	27	18.5	15.6	*	37.0	24.5	*	51.9	31.8	*
Pneumonia/Influenza	18	0.0	15.9	*	0.0	21.4	*	16.7	26.0	*
Chronic Obstructive Pulmonary Disease	11	0.0	3.8	*	0.0	7.1	*	0.0	10.2	*
Transient Cerebral Ischemia	7	0.0	1.4	*	0.0	3.2	*	0.0	5.2	*
Stroke	21	9.5	20.7	*	23.8	28.1	*	33.3	33.2	*
Hip Fracture	10	20.0	8.7	*	20.0	16.2	*	20.0	21.2	*
Sepsis	3	33.3	18.3	*	66.7	23.7	*	66.7	28.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	6.1	*	0.0	12.4	*	33.3	17.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	2.7	*	0.0	5.5	*	0.0	7.6	*
Open Reduction of Hip Fracture	5	40.0	9.3	*	40.0	17.9	*	40.0	23.8	*
Prostatectomy	12	16.7	2.0	*	16.7	5.0	*	16.7	8.4	*
Cholecystectomy	14	21.4	3.9	*	21.4	7.1	*	21.4	9.1	*
Hysterectomy	3	0.0	2.1	*	0.0	4.8	*	0.0	7.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

395.1

**Humana Hospital
St. Luke's**

January 11, 1991

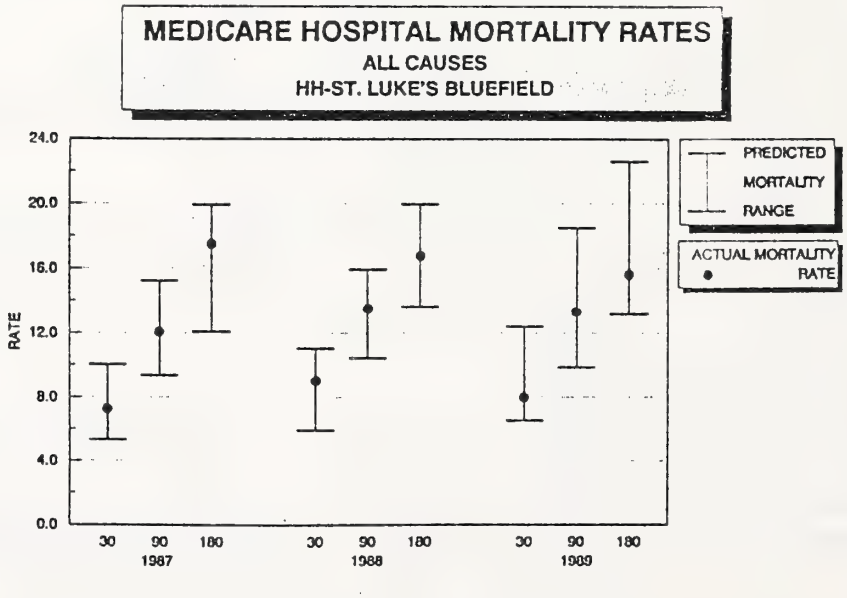
Medicare Provider #51-0067

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Thank you for the opportunity to review and comment on the Medicare mortality rates you provided for Humana Hospital St. Luke's - Bluefield. Since the mortality rates will be interpreted by the public, it is essential the data be easily understandable. Unfortunately, the presentation of the data in the format you provided is difficult to understand, and wrong conclusions may be reached by readers attempting to evaluate the hospital's observed rate against the predicted mortality rate.

For areas where a standard deviation has been provided, we urge that a predicted range be calculated and displayed as in past years. This would allow for much less potential error of interpretation. (To aid readers, in understanding the data for Humana Hospital St. Luke's - Bluefield, we have computed a range for the "All Causes" category for the 30, 90 and 180-day intervals for 1987, 1988 and 1989. The range represents a 95% prediction interval using the technical information provided. The data are displayed graphically below.



MEDICARE HOSPITAL MORTALITY RATES
ALL CAUSES
HH-ST. LUKE'S BLUEFIELD

SOURCE: HCFA - MEDICARE HOSPITAL MORTALITY INFORMATION 1987, 1988, 1989

The vertical lines represent the predicted ranges and the dot represents the hospital's observed rate.)

For some categories, observed and predicted mortality rates are published without an accompanying standard deviation. If "the number of cases or deaths in any category is too small to permit satisfactory estimation of the standard deviation," it is also inappropriate to publish predicted rates in that category, due to the potential for misinterpretation.

We support the Health Care Financing Administration's continuing effort to provide reliable mortality data. Mortality rates are an important clinical indicator; however, they are not the sole element in evaluating patient care given in a hospital. At Humana Hospital St. Luke's - Bluefield, we have established, in conjunction with our medical staff, an on-going, comprehensive quality management program.

Thank you again for the opportunity to review the data before publication. We hope you will give serious thought to our comments and not release the information to the public without modifying it to make it more meaningful and understandable.

Sincerely,

Austin D. Edwards
Executive Director

ADE/jt

JACKSON GENERAL HOSPITAL

Pinnell St
Ripley, WV 25271

Medicare Provider Number: 510018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	485	14.2	10.3	1.9	19.2	15.0	2.0	21.6	18.8	2.3
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	27.6	*	42.1	30.4	*	47.4	33.3	*
Congestive Heart Failure	46	23.9	18.0	*	32.6	27.2	*	39.1	34.9	*
Pneumonia/Influenza	35	22.9	17.6	*	31.4	24.5	*	34.3	29.7	*
Chronic Obstructive Pulmonary Disease	12	8.3	6.7	*	8.3	11.1	*	8.3	15.0	*
Transient Cerebral Ischemia	7	28.6	3.0	*	28.6	7.0	*	28.6	11.7	*
Stroke	17	23.5	22.7	*	23.5	29.0	*	29.4	33.3	*
Hip Fracture	0									
Sepsis	6	16.7	14.2	*	33.3	21.2	*	33.3	25.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	17	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*
Cholecystectomy	10	0.0	1.8	*	10.0	3.0	*	10.0	3.7	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	79
Occupancy Rate	39
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	14
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	38
Licensed Practical Nurses	19

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JACKSON GENERAL HOSPITAL

Medicare Provider Number: 510018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	471	15.1	10.8	1.5	18.7	15.5	1.8	21.4	19.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	18	50.0	27.8	*	50.0	31.1	*	55.6	34.6	*
Congestive Heart Failure	23	13.0	14.6	*	17.4	21.7	*	30.4	28.0	*
Pneumonia/Influenza	34	23.5	16.9	*	35.3	22.9	*	35.3	27.7	*
Chronic Obstructive Pulmonary Disease	8	12.5	15.1	*	12.5	24.1	*	12.5	30.9	*
Transient Cerebral Ischemia	11	9.1	3.4	*	9.1	7.9	*	9.1	12.8	*
Stroke	24	33.3	21.7	*	37.5	27.1	*	50.0	31.4	*
Hip Fracture	0									
Sepsis	4	75.0	28.3	*	75.0	36.3	*	75.0	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	14.7	*	50.0	18.4	*	50.0	22.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	15	0.0	0.4	*	0.0	0.9	*	0.0	1.6	*
Cholecystectomy	10	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Hysterectomy	4	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	444	11.5	10.4	1.6	16.7	15.0	2.2	18.9	18.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	35.4	*	26.9	38.8	*	26.9	42.4	*
Congestive Heart Failure	16	31.3	19.4	*	50.0	27.9	*	50.0	34.4	*
Pneumonia/Influenza	21	19.0	16.5	*	28.6	22.4	*	33.3	27.4	*
Chronic Obstructive Pulmonary Disease	7	14.3	6.3	*	14.3	10.9	*	14.3	14.9	*
Transient Cerebral Ischemia	10	0.0	1.9	*	10.0	4.1	*	20.0	6.5	*
Stroke	22	22.7	22.8	*	31.8	28.7	*	36.4	33.2	*
Hip Fracture	0									
Sepsis	6	66.7	29.7	*	83.3	41.4	*	83.3	49.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	13	0.0	0.9	*	0.0	2.2	*	0.0	3.9	*
Cholecystectomy	10	10.0	2.4	*	10.0	4.0	*	20.0	5.0	*
Hysterectomy	3	0.0	1.0	*	0.0	2.4	*	0.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JEFFERSON MEMORIAL HOSPITAL

300 S Preston St
Ranson, WV 25438

Medicare Provider Number: 510068

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	499	12.0	10.6	1.7	18.6	15.2	2.3	22.8	18.9	2.6
CONDITIONS:										
Acute Myocardial Infarction	29	37.9	25.0	*	48.3	27.5	*	48.3	30.4	*
Congestive Heart Failure	27	22.2	13.0	*	33.3	20.2	*	37.0	26.4	*
Pneumonia/Influenza	46	10.9	16.4	*	21.7	22.1	*	28.3	26.7	*
Chronic Obstructive Pulmonary Disease	7	14.3	9.8	*	14.3	15.8	*	14.3	21.2	*
Transient Cerebral Ischemia	2	0.0	1.8	*	0.0	3.8	*	0.0	5.9	*
Stroke	18	22.2	22.5	*	22.2	28.4	*	22.2	32.6	*
Hip Fracture	10	0.0	5.0	*	0.0	9.0	*	0.0	11.8	*
Sepsis	6	66.7	24.8	*	66.7	33.1	*	66.7	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.6	*	100.0	4.1	*	100.0	6.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	4.9	*	0.0	9.0	*	0.0	11.6	*
Open Reduction of Hip Fracture	5	0.0	4.6	*	0.0	8.8	*	0.0	11.8	*
Prostatectomy	2	0.0	1.2	*	0.0	3.1	*	0.0	5.5	*
Cholecystectomy	13	7.7	1.8	*	7.7	3.4	*	15.4	4.6	*
Hysterectomy	2	0.0	1.0	*	0.0	2.6	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	56
Occupancy Rate	55
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	29
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	0
Registered Nurses	37
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JEFFERSON MEMORIAL HOSPITAL

Medicare Provider Number: 510068

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	437	15.6	12.6	2.5	18.8	17.6	2.0	22.2	21.4	2.1
CONDITIONS:										
Acute Myocardial Infarction	18	27.8	32.1	*	27.8	34.7	*	27.8	38.1	*
Congestive Heart Failure	23	21.7	14.4	*	26.1	22.0	*	30.4	28.5	*
Pneumonia/Influenza	42	21.4	15.5	*	23.8	20.9	*	31.0	25.4	*
Chronic Obstructive Pulmonary Disease	3	0.0	10.0	*	0.0	16.1	*	33.3	20.9	*
Transient Cerebral Ischemia	1	0.0	2.7	*	0.0	5.5	*	0.0	8.5	*
Stroke	31	12.9	21.7	*	12.9	28.1	*	12.9	32.7	*
Hip Fracture	6	0.0	7.1	*	0.0	12.5	*	16.7	15.8	*
Sepsis	14	64.3	25.9	*	64.3	33.8	*	64.3	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	2.9	*	0.0	5.7	*	0.0	7.7	*
Open Reduction of Hip Fracture	3	0.0	5.5	*	0.0	10.4	*	33.3	13.7	*
Prostatectomy	6	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*
Cholecystectomy	10	0.0	1.5	*	0.0	2.8	*	0.0	3.8	*
Hysterectomy	2	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	440	10.2	10.6	1.5	13.2	14.6	1.8	17.0	18.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	31	19.4	32.8	*	29.0	35.7	*	35.5	39.2	*
Congestive Heart Failure	28	14.3	15.2	*	21.4	22.3	*	28.6	28.5	*
Pneumonia/Influenza	33	24.2	15.0	*	24.2	20.3	*	27.3	24.6	*
Chronic Obstructive Pulmonary Disease	6	0.0	10.0	*	0.0	15.4	*	33.3	19.5	*
Transient Cerebral Ischemia	7	0.0	2.7	*	0.0	6.3	*	0.0	10.1	*
Stroke	13	30.8	27.0	*	30.8	33.5	*	38.5	38.1	*
Hip Fracture	17	5.9	6.6	*	11.8	12.0	*	17.6	15.6	*
Sepsis	9	11.1	27.6	*	22.2	34.0	*	22.2	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.8	*	0.0	9.6	*	0.0	12.9	*
Open Reduction of Hip Fracture	12	8.3	5.8	*	8.3	10.9	*	16.7	14.3	*
Prostatectomy	20	0.0	1.1	*	5.0	2.6	*	5.0	4.2	*
Cholecystectomy	22	0.0	1.6	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	2	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

399.1

JEFFERSON MEMORIAL HOSPITAL

300 SOUTH PRESTON STREET
RANSON, WEST VIRGINIA 25438-1699
Phone: (304) 725-3411

January 15, 1991

510068

Mrs. Sandra Kappert
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

The Medical Staff at Jefferson Memorial Hospital (JMH) has undertaken a comprehensive study of the HCFA Hospital Mortality Rates since our receipt of them in December, 1990. Most striking is the fact that outside of the total Medicare admission mortality rate, none of the diagnostic conditions or invasive procedure category analyses represent large enough numbers in cases and/or deaths to permit satisfactory statistical analysis with regard to standard deviation. Nonetheless we view this as an excellent opportunity to analyze our Medicare and non-Medicare mortality rates for those conditions in which our observed mortality seemed to be significantly different than the HCFA predicted mortality.

For the diagnosis of "sepsis" for the FY 1989, a total of 14 Medicare patients were treated at JMH. Your sampling of only 6 of these indicated a mortality rate of 66.7%. Case by case review of these patients revealed that out of 10 deaths, sepsis was only responsible for the demise of 5 patients with metastatic cancer, myocardial infarction and COPD disease with respiratory failure being the actual cause of death in the other patients. The average age of Medicare patients with sepsis who died was 74 and 70% of these patients had "Do Not Resuscitate" orders on their chart with 80% of the actual sepsis death patients having "Do Not Resuscitate" orders on their charts. In fact 100% of the HCFA reviewed sepsis deaths had such a "Do Not Resuscitate" order. Our review of all Medicare patients with sepsis and death due to sepsis was, therefore, at 90 and 180 days only 35% which more closely approximates your predicted mortality rate.

For the diagnosis of acute myocardial infarction, HCFA sampled 29 patients out of the total 41 Medicare patients cared for with this diagnosis at JMH. Our analysis of this entire population reveals a 90 and 180 day mortality rate of only 36% compared to the 48% calculated by using the random sampling method. The average age of M.I. mortalities was 74 years with 27% of the patients dying with this diagnosis having "Do Not Resuscitate" orders. Quality of care analysis on a comparative basis between 1988 and 1990 has already been undertaken by the Q.A. Committee and verifies that access and use of thrombolytic agents has improved the hospitalwide acute M.I. mortality rate significantly down to 20% for all patients with acute M.I. in the FY 1989, and 14% for all patients in the 4th quarter of 1990.

Congestive heart failure patients for the sample study by HCFA revealed a mortality rate of less than 180 days of 37%. When we reviewed 100% of the Medicare patients with this diagnosis for the same FY, the total Medicare mortality rate was 32% with the average age being 77 and 50% of all congestive heart failure deaths had a "Do Not Resuscitate" order on the chart.

Lastly the cholecystectomy analysis of 13 patients by HCFA indicated a mortality of 7.7% less than 90 days after admission and 15.4% 180 days after admission. Careful analysis of all cholecystectomy care at our hospital has also been undertaken by this hospital's Q.A. Committee in 1989 detailing diagnostic evaluation, pre-operative and operative care and techniques, surgery time, antibiotic and anti-coagulation use, and postoperative complications. Only one Medicare patient who succumbed to an acute myocardial infarction and acute cerebrovascular accident within 30 days of surgery was felt to have suffered an actual peri-operative mortality. The second patient who died more than 90 days after admission succumbed to non-related respiratory illness. Average surgery time and other details of pre-surgery and post-surgery care were analyzed in depth for these patients with no signficant problems found.

Our 100% review of Medicare admissions and mortality for the 1989 fiscal year included 65 cases not studied in the HCFA sampling and found a comparable mortality rate of 22.6%.

We have been able to expand our review of hospital mortality beyond the traditional case by case review to more comprehensive view of mortality as related to specific disease categories and surgical procedure categories. Targeted quality of care studies regarding cholecystectomy and chest pain/M.I. care were undertaken on an ongoing basis which helped put our mortality rate into perspective. Appropriate documentation of compassionate terminal care was evident in the charts of those patients (who represent a sizeable proportion of Medicare mortality) where the family, patient, and physician have come to agree that "heroic" resuscitative and artificial methods of life support were not appropriate. Particularly gratifying was our finding that in patients who died between 90 and 180 days after admission, adequate access to followup medical care was documentable.

While it has certainly been shown that mortality rates do not reflect quality of care in themselves, we at JMH appreciate the opportunity to use this data to look at the many factors which effect quality of care in the hospital. Our ongoing studies, such as cholecystectomy care and chest pain/acute M.I. quality of care shall be continued so that the statistics may be used to guide more clinically relevant analysis of our medical care.

Thank you for the opportunity to respond to this study.

Respectfully,

K.C. Nau, M.D./sj

Konrad C. Nau, MD
Chairman, Quality Assurance Committee

LOGAN GENERAL HOSPITAL

20 Hospital Dr
Logan, WV 25601

Medicare Provider Number: 510048

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,338	7.9	9.5	1.3	12.7	14.2	1.5	15.8	17.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	37	29.7	27.1	*	32.4	29.9	*	32.4	33.2	*
Congestive Heart Failure	84	14.3	15.6	6.6	29.8	24.2	9.2	33.3	31.2	6.4
Pneumonia/Influenza	114	12.3	15.8	5.2	14.9	21.6	6.8	18.4	26.2	8.1
Chronic Obstructive Pulmonary Disease	52	9.6	9.4	4.4	13.5	15.8	7.1	15.4	20.8	9.5
Transient Cerebral Ischemia	32	0.0	1.8	*	0.0	4.1	*	6.3	6.7	*
Stroke	39	12.8	18.3	*	15.4	23.9	*	17.9	28.1	*
Hip Fracture	23	0.0	5.9	*	4.3	10.5	*	8.7	13.6	*
Sepsis	11	36.4	38.1	*	63.6	44.5	*	63.6	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.1	*	0.0	6.4	*	0.0	9.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	4.4	*	0.0	8.3	*	0.0	10.9	*
Open Reduction of Hip Fracture	14	0.0	5.8	*	0.0	10.6	*	7.1	13.9	*
Prostatectomy	57	3.5	1.9	2.4	3.5	3.5	4.3	7.0	5.1	5.2
Cholecystectomy	28	3.6	1.9	*	10.7	3.2	*	10.7	4.1	*
Hysterectomy	5	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	123
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	60
Percent of Physicians Board Certified Specialists	37
Medical Residents/Interns	0
Registered Nurses	156
Licensed Practical Nurses	36

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LOGAN GENERAL HOSPITAL

Medicare Provider Number: 510048

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,249	7.4	9.9	1.6	12.2	14.6	1.6	15.7	18.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	35	31.4	27.5	*	34.3	30.7	*	37.1	34.2	*
Congestive Heart Failure	74	5.4	15.7	5.5	10.8	23.9	6.8	17.6	30.5	7.0
Pneumonia/Influenza	84	11.9	18.2	5.5	15.5	24.4	6.3	19.0	29.3	6.4
Chronic Obstructive Pulmonary Disease	40	2.5	10.2	*	7.5	17.2	*	15.0	22.9	*
Transient Cerebral Ischemia	47	4.3	2.0	*	6.4	4.3	*	8.5	6.8	*
Stroke	44	2.3	18.6	*	4.5	24.1	*	6.8	28.4	*
Hip Fracture	27	3.7	8.0	*	11.1	15.0	*	11.1	19.6	*
Sepsis	17	23.5	28.9	*	41.2	35.5	*	47.1	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.9	*	0.0	4.9	*	0.0	6.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	4.8	*	0.0	9.8	*	0.0	13.5	*
Open Reduction of Hip Fracture	18	5.6	6.9	*	16.7	13.3	*	16.7	17.7	*
Prostatectomy	49	2.0	1.3	*	2.0	2.5	*	6.1	3.8	*
Cholecystectomy	21	0.0	1.5	*	0.0	2.8	*	4.8	3.7	*
Hysterectomy	9	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,253	7.8	10.1	1.2	13.1	15.2	1.3	16.3	19.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	48	29.2	28.3	*	35.4	31.5	*	35.4	34.7	*
Congestive Heart Failure	70	11.4	17.6	5.8	18.6	26.5	7.6	24.3	33.5	7.5
Pneumonia/Influenza	71	16.9	15.9	5.1	23.9	21.7	6.0	28.2	26.5	5.8
Chronic Obstructive Pulmonary Disease	31	0.0	9.5	*	12.9	16.5	*	16.1	22.3	*
Transient Cerebral Ischemia	40	0.0	2.1	*	2.5	4.5	*	5.0	7.0	*
Stroke	42	11.9	21.2	*	14.3	27.9	*	19.0	32.7	*
Hip Fracture	27	0.0	7.9	*	7.4	13.9	*	11.1	17.9	*
Sepsis	9	44.4	33.8	*	55.6	43.9	*	66.7	50.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.2	*	33.3	5.5	*	33.3	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	5.0	*	9.1	9.4	*	9.1	12.5	*
Open Reduction of Hip Fracture	17	0.0	7.3	*	5.9	13.5	*	11.8	17.6	*
Prostatectomy	66	0.0	1.0	1.5	1.5	2.5	2.1	1.5	4.2	3.3
Cholecystectomy	21	0.0	2.5	*	0.0	4.4	*	0.0	5.7	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MAN APPALACHIAN REGIONAL HOSPITAL

600-800 E McDonald Ave
Man, WV 25635

Medicare Provider Number: 510035

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	343	7.6	10.5	2.2	10.5	15.1	2.7	14.9	18.7	3.1
CONDITIONS:										
Acute Myocardial Infarction	12	25.0	26.8	*	25.0	30.0	*	25.0	33.3	*
Congestive Heart Failure	22	9.1	13.9	*	9.1	21.3	*	18.2	27.6	*
Pneumonia/Influenza	17	5.9	15.8	*	11.8	21.9	*	23.5	26.5	*
Chronic Obstructive Pulmonary Disease	17	0.0	5.5	*	11.8	10.6	*	29.4	15.3	*
Transient Cerebral Ischemia	6	0.0	1.0	*	0.0	2.1	*	0.0	3.3	*
Stroke	10	20.0	18.3	*	20.0	23.1	*	20.0	26.9	*
Hip Fracture	4	0.0	5.5	*	0.0	9.7	*	0.0	12.6	*
Sepsis	8	12.5	28.4	*	25.0	35.6	*	50.0	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	0.0	6.1	*	0.0	11.1	*	0.0	14.4	*
Prostatectomy	0									
Cholecystectomy	2	50.0	1.5	*	50.0	2.4	*	50.0	3.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	40
Occupancy Rate	43
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	17
Percent of Physicians Board Certified Specialists	53
Medical Residents/Interns	0
Registered Nurses	19
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MAN APPALACHIAN REGIONAL HOSPITAL

Medicare Provider Number: 510035

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	364	7.7	9.7	2.3	10.4	13.9	2.7	13.2	17.2	3.0
CONDITIONS:										
Acute Myocardial Infarction	21	9.5	25.5	*	14.3	28.6	*	19.0	32.2	*
Congestive Heart Failure	23	4.3	11.5	*	4.3	17.8	*	17.4	23.4	*
Pneumonia/Influenza	22	18.2	18.5	*	22.7	25.3	*	27.3	30.4	*
Chronic Obstructive Pulmonary Disease	28	0.0	4.2	*	0.0	7.7	*	7.1	10.7	*
Transient Cerebral Ischemia	10	0.0	1.4	*	0.0	3.2	*	0.0	5.0	*
Stroke	12	33.3	24.5	*	33.3	31.3	*	33.3	35.9	*
Hip Fracture	0									
Sepsis	6	16.7	24.6	*	16.7	31.2	*	16.7	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	4.7	*	0.0	8.5	*	0.0	10.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	272	6.3	8.1	2.5	9.6	11.9	3.5	12.1	15.1	4.0
CONDITIONS:										
Acute Myocardial Infarction	17	17.6	26.6	*	23.5	29.8	*	29.4	33.2	*
Congestive Heart Failure	13	0.0	10.4	*	7.7	16.0	*	7.7	21.3	*
Pneumonia/Influenza	16	12.5	13.2	*	12.5	18.2	*	12.5	22.4	*
Chronic Obstructive Pulmonary Disease	8	12.5	7.1	*	37.5	14.1	*	37.5	20.1	*
Transient Cerebral Ischemia	6	0.0	2.5	*	16.7	5.6	*	16.7	8.9	*
Stroke	13	23.1	23.1	*	23.1	30.6	*	30.8	35.4	*
Hip Fracture	1	0.0	6.2	*	0.0	10.3	*	0.0	12.9	*
Sepsis	2	0.0	30.4	*	0.0	34.8	*	0.0	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	1.4	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MONONGALIA COUNTY GENERAL HOSPITAL

1200 JD Anderson Dr
Morgantown, WV 26505

Medicare Provider Number: 510024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,563	7.7	7.5	0.6	11.5	11.7	0.8	14.3	15.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	81	25.9	24.7	5.3	28.4	27.9	5.0	28.4	31.1	5.7
Congestive Heart Failure	134	10.4	14.7	4.8	18.7	22.8	5.7	26.9	29.3	4.6
Pneumonia/Influenza	91	23.1	17.6	6.0	28.6	24.4	5.7	30.8	29.4	4.9
Chronic Obstructive Pulmonary Disease	29	3.4	6.6	*	6.9	11.5	*	13.8	15.7	*
Transient Cerebral Ischemia	32	3.1	1.8	*	6.3	3.8	*	9.4	6.0	*
Stroke	80	21.2	19.5	5.8	27.5	26.3	5.2	28.7	30.8	5.3
Hip Fracture	64	1.6	6.7	5.7	3.1	12.0	8.7	6.3	15.4	8.7
Sepsis	26	34.6	25.2	*	38.5	31.8	*	42.3	36.8	*
PROCEDURES:										
Angioplasty	42	2.4	2.6	*	7.1	3.6	*	9.5	4.7	*
Coronary Artery Bypass Graft	63	1.6	5.2	3.6	7.9	7.6	3.9	9.5	9.1	3.8
Initial Pacemaker Insertion	20	0.0	2.5	*	0.0	4.9	*	0.0	7.3	*
Carotid Endarterectomy	26	0.0	1.1	*	0.0	2.0	*	3.8	2.8	*
Hip Replacement/Reconstruction	62	1.6	2.1	2.2	1.6	3.9	3.2	3.2	5.2	3.6
Open Reduction of Hip Fracture	39	2.6	6.0	*	5.1	11.2	*	7.7	14.8	*
Prostatectomy	66	1.5	1.5	1.6	1.5	2.7	2.3	3.0	4.1	3.0
Cholecystectomy	62	3.2	2.5	2.1	3.2	4.3	2.8	3.2	5.5	3.5
Hysterectomy	30	0.0	1.4	*	3.3	2.4	*	3.3	3.3	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	254
Occupancy Rate	62
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	117
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	176
Licensed Practical Nurses	69

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

MONONGALIA COUNTY GENERAL HOSPITAL

Medicare Provider Number: 510024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,560	7.3	8.0	0.6	11.2	12.5	0.8	14.4	16.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	63	30.2	24.6	8.3	31.7	27.7	8.6	34.9	31.0	8.1
Congestive Heart Failure	123	16.3	15.7	3.4	22.0	23.9	4.2	28.5	30.6	5.0
Pneumonia/Influenza	127	11.0	15.1	4.9	19.7	20.4	3.8	22.8	24.7	4.4
Chronic Obstructive Pulmonary Disease	17	11.8	6.0	*	17.6	10.0	*	17.6	13.5	*
Transient Cerebral Ischemia	41	4.9	1.7	*	9.8	3.6	*	9.8	5.5	*
Stroke	82	15.9	20.3	5.9	19.5	27.0	8.0	23.2	31.6	8.0
Hip Fracture	70	4.3	7.4	4.8	5.7	13.4	7.4	10.0	17.3	8.4
Sepsis	30	33.3	29.5	*	46.7	38.0	*	53.3	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	18	0.0	4.4	*	5.6	6.2	*	5.6	7.4	*
Initial Pacemaker Insertion	19	0.0	3.0	*	5.3	5.9	*	5.3	8.7	*
Carotid Endarterectomy	19	5.3	1.6	*	5.3	3.0	*	5.3	4.4	*
Hip Replacement/Reconstruction	74	1.4	2.3	1.9	4.1	4.6	3.0	5.4	6.2	3.0
Open Reduction of Hip Fracture	34	5.9	7.6	*	8.8	14.1	*	8.8	18.0	*
Prostatectomy	61	1.6	1.8	2.4	1.6	3.8	3.6	3.3	5.9	4.4
Cholecystectomy	62	1.6	3.4	2.9	6.5	6.4	3.4	6.5	8.5	4.1
Hysterectomy	18	5.6	0.6	*	5.6	0.9	*	5.6	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,414	8.3	8.2	0.8	13.1	12.7	1.2	17.1	16.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	67	31.3	27.6	6.5	34.3	30.8	6.6	37.3	34.1	6.9
Congestive Heart Failure	117	12.0	17.4	6.2	22.2	26.5	7.2	31.6	33.7	5.2
Pneumonia/Influenza	108	16.7	16.5	3.6	19.4	22.6	5.1	23.1	27.4	6.5
Chronic Obstructive Pulmonary Disease	14	7.1	10.5	*	7.1	19.5	*	14.3	26.7	*
Transient Cerebral Ischemia	35	2.9	2.0	*	5.7	4.3	*	5.7	6.7	*
Stroke	84	28.6	25.1	7.2	38.1	33.0	6.1	44.0	38.0	6.7
Hip Fracture	84	8.3	7.0	3.5	11.9	12.5	3.7	16.7	16.1	4.3
Sepsis	22	31.8	25.8	*	40.9	34.8	*	45.5	41.0	*
PROCEDURES:										
Angioplasty	1	0.0	8.9	*	0.0	9.8	*	0.0	11.0	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.3	*	0.0	6.7	*	0.0	9.9	*
Carotid Endarterectomy	12	0.0	1.8	*	0.0	3.7	*	0.0	5.4	*
Hip Replacement/Reconstruction	76	0.0	3.0	3.8	1.3	5.8	5.9	5.3	7.8	5.2
Open Reduction of Hip Fracture	40	7.5	5.9	*	15.0	11.4	*	20.0	15.0	*
Prostatectomy	69	1.4	1.1	1.7	4.3	2.8	2.6	4.3	4.8	3.7
Cholecystectomy	50	4.0	2.0	*	6.0	3.7	*	6.0	5.1	*
Hysterectomy	19	5.3	1.0	*	5.3	2.1	*	5.3	3.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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Monongalia
General
Hospital

Attn: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Medicare Provider Number: 510024

Comments on Monongalia General Hospital's mortality data for the years 1989, 1988 and 1987:

Monongalia General Hospital is pleased that our mortality rates for 1989, as well as the revised figures for 1988 and 1987, show us to be consistently within one standard deviation of the predicted values in all categories or below the predicted mortality data in some. In areas where the numbers were too small for a statistically valid standard deviation to be obtained, the differences between our values and the predicted normal were usually only one, or at most two, deaths above the expected number. This is certainly not a significant number. We are pleased that we do not fall outside the expected or predicted ranges.

We again point out that this data is valid only in predicting areas in which to look to find underlying causes for hospitals lying outside the predicted mortality rates. There are numerous reasons why hospitals with excellent staffs and excellent services might do so (i.e. receiving more difficult cases because of expertise in a particular area, or in making diagnoses more accurately and, therefore, not including diagnostic groups that might be included by other hospitals and other physicians).

Mortality rates are but one of a large number of indicators that Monongalia General Hospital's medical staff uses to monitor and assure a continued high quality of medical care to our surrounding community.

Signed: Thomas J. Muller   Date: 12-27-90

MONTGOMERY GENERAL HOSPITAL

Washington St & Sixth Ave
Montgomery, WV 25136

Medicare Provider Number: 510028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	570	12.3	11.2	1.7	16.7	16.4	1.9	20.5	20.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	24.4	*	48.0	27.3	*	48.0	30.6	*
Congestive Heart Failure	30	33.3	17.0	*	40.0	26.1	*	43.3	33.3	*
Pneumonia/Influenza	55	14.5	17.6	5.9	20.0	23.5	6.7	23.6	28.0	6.5
Chronic Obstructive Pulmonary Disease	4	0.0	13.7	*	0.0	23.6	*	50.0	31.5	*
Transient Cerebral Ischemia	8	0.0	2.3	*	0.0	5.5	*	0.0	9.0	*
Stroke	21	23.8	20.8	*	33.3	27.5	*	33.3	31.7	*
Hip Fracture	14	7.1	5.5	*	7.1	9.7	*	7.1	12.7	*
Sepsis	5	0.0	22.2	*	0.0	26.0	*	0.0	30.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.8	*	0.0	7.9	*	0.0	10.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.4	*	0.0	4.8	*	0.0	6.8	*
Open Reduction of Hip Fracture	4	0.0	5.9	*	0.0	11.0	*	0.0	14.4	*
Prostatectomy	12	0.0	1.4	*	0.0	3.6	*	0.0	6.3	*
Cholecystectomy	16	6.3	2.3	*	12.5	3.5	*	12.5	4.3	*
Hysterectomy	3	0.0	1.2	*	0.0	2.8	*	0.0	4.3	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	99
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	23
Percent of Physicians Board Certified Specialists	48
Medical Residents/Interns	0
Registered Nurses	37
Licensed Practical Nurses	34

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

MONTGOMERY GENERAL HOSPITAL

Medicare Provider Number: 510028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	634	8.8	9.4	1.3	12.9	14.0	1.7	16.1	17.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	22	13.6	21.8	*	13.6	24.7	*	13.6	28.1	*
Congestive Heart Failure	26	23.1	16.8	*	26.9	25.4	*	50.0	32.4	*
Pneumonia/Influenza	65	21.5	17.3	5.5	26.2	23.4	5.4	27.7	28.1	5.8
Chronic Obstructive Pulmonary Disease	13	0.0	9.2	*	15.4	15.1	*	15.4	20.5	*
Transient Cerebral Ischemia	15	0.0	2.0	*	6.7	4.4	*	6.7	6.9	*
Stroke	21	28.6	18.2	*	28.6	24.4	*	33.3	28.7	*
Hip Fracture	11	9.1	6.8	*	9.1	12.4	*	9.1	16.0	*
Sepsis	3	0.0	32.4	*	33.3	41.5	*	33.3	49.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	9.8	*	0.0	14.7	*	0.0	18.9	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	5	20.0	7.2	*	20.0	13.2	*	20.0	17.1	*
Prostatectomy	22	0.0	1.3	*	0.0	3.1	*	0.0	5.2	*
Cholecystectomy	8	12.5	3.5	*	12.5	5.9	*	12.5	7.1	*
Hysterectomy	2	0.0	1.4	*	0.0	3.1	*	0.0	4.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	658	8.7	9.2	1.6	13.2	14.0	2.4	16.4	17.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	35	20.0	25.2	*	22.9	28.1	*	28.6	31.3	*
Congestive Heart Failure	36	11.1	15.5	*	22.2	23.6	*	33.3	30.4	*
Pneumonia/Influenza	47	12.8	14.6	*	14.9	19.9	*	21.3	24.4	*
Chronic Obstructive Pulmonary Disease	18	0.0	11.2	*	16.7	18.2	*	16.7	23.3	*
Transient Cerebral Ischemia	12	0.0	2.0	*	0.0	4.2	*	0.0	6.7	*
Stroke	21	23.8	16.1	*	28.6	22.8	*	28.6	27.1	*
Hip Fracture	15	6.7	6.2	*	6.7	11.3	*	6.7	14.7	*
Sepsis	2	50.0	46.2	*	50.0	52.8	*	50.0	58.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	4.7	*	16.7	9.3	*	33.3	13.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.0	*	0.0	6.1	*	0.0	8.5	*
Open Reduction of Hip Fracture	8	0.0	6.7	*	0.0	12.7	*	0.0	16.7	*
Prostatectomy	20	0.0	1.1	*	0.0	2.6	*	0.0	4.3	*
Cholecystectomy	9	0.0	4.9	*	0.0	6.4	*	0.0	7.5	*
Hysterectomy	4	0.0	1.3	*	0.0	2.9	*	0.0	4.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MORGAN COUNTY WAR MEMORIAL HOSPITAL

1090 Fairfax St
Berkeley Springs, WV 25411

Medicare Provider Number: 510027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	114	14.0	11.7	5.6	21.1	17.5	6.8	25.4	22.1	7.0
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	11.5	*	0.0	13.7	*	0.0	16.2	*
Congestive Heart Failure	12	8.3	16.7	*	16.7	25.9	*	41.7	33.3	*
Pneumonia/Influenza	22	22.7	16.9	*	27.3	23.0	*	27.3	27.9	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	2.1	*	0.0	4.8	*	0.0	7.7	*
Stroke	7	42.9	17.8	*	42.9	23.0	*	42.9	27.0	*
Hip Fracture	0									
Sepsis	3	66.7	25.4	*	66.7	29.8	*	66.7	35.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	6	0.0	0.5	*	0.0	1.0	*	0.0	1.7	*
Cholecystectomy	1	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	42
Occupancy Rate	67
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	6
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	0
Registered Nurses	12
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MORGAN COUNTY WAR MEMORIAL HOSPITAL

Medicare Provider Number: 510027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	158	17.1	13.6	4.0	20.9	19.8	3.8	25.3	24.5	4.8
CONDITIONS:										
Acute Myocardial Infarction	9	11.1	28.3	*	22.2	31.7	*	22.2	35.4	*
Congestive Heart Failure	7	28.6	24.0	*	57.1	36.6	*	85.7	45.9	*
Pneumonia/Influenza	18	11.1	18.5	*	16.7	24.4	*	16.7	28.8	*
Chronic Obstructive Pulmonary Disease	2	50.0	7.6	*	50.0	12.3	*	50.0	16.4	*
Transient Cerebral Ischemia	4	25.0	4.0	*	25.0	9.6	*	50.0	15.5	*
Stroke	5	0.0	20.0	*	0.0	27.1	*	20.0	31.6	*
Hip Fracture	0									
Sepsis	1	100.0	24.4	*	100.0	38.6	*	100.0	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	7	0.0	0.7	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	2	0.0	0.7	*	0.0	1.3	*	0.0	1.8	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	172	12.2	11.6	2.9	17.4	16.6	2.9	22.1	20.4	4.1
CONDITIONS:										
Acute Myocardial Infarction	5	40.0	44.8	*	60.0	50.1	*	80.0	54.2	*
Congestive Heart Failure	14	21.4	16.2	*	35.7	24.7	*	50.0	31.7	*
Pneumonia/Influenza	17	29.4	20.8	*	47.1	27.0	*	52.9	32.0	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.3	*	0.0	7.6	*	0.0	10.7	*
Transient Cerebral Ischemia	1	0.0	1.4	*	0.0	2.9	*	0.0	4.5	*
Stroke	5	20.0	30.5	*	40.0	40.2	*	40.0	46.1	*
Hip Fracture	1	0.0	2.6	*	0.0	5.2	*	0.0	7.4	*
Sepsis	1	100.0	43.6	*	100.0	48.8	*	100.0	54.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	12	0.0	1.1	*	0.0	2.7	*	0.0	4.7	*
Cholecystectomy	5	0.0	1.0	*	0.0	1.7	*	0.0	2.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

OHIO VALLEY GENERAL HOSPITAL

2000 Eoff Street
Wheeling, WV 26003

Medicare Provider Number: 510039

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,973	8.2	9.1	0.9	13.4	13.8	0.9	17.0	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	43	32.6	25.8	*	32.6	29.2	*	37.2	32.6	*
Congestive Heart Failure	62	11.3	15.2	5.6	22.6	23.6	5.5	30.6	30.5	6.4
Pneumonia/Influenza	123	12.2	17.3	6.5	19.5	23.7	6.5	22.8	28.4	7.8
Chronic Obstructive Pulmonary Disease	48	12.5	8.5	*	12.5	14.3	*	12.5	19.3	*
Transient Cerebral Ischemia	44	2.3	1.7	*	4.5	3.8	*	6.8	6.0	*
Stroke	72	16.7	20.9	7.3	19.4	27.8	8.3	22.2	32.3	9.8
Hip Fracture	50	8.0	6.9	*	16.0	12.5	*	24.0	16.2	*
Sepsis	17	11.8	27.6	*	17.6	37.2	*	29.4	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	5.3	*	4.5	8.7	*	13.6	11.6	*
Carotid Endarterectomy	16	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	43	2.3	3.3	*	11.6	6.5	*	14.0	9.2	*
Open Reduction of Hip Fracture	27	11.1	6.4	*	11.1	11.9	*	22.2	15.6	*
Prostatectomy	54	1.9	1.4	2.4	3.7	3.5	3.4	7.4	6.1	3.3
Cholecystectomy	33	3.0	3.0	*	3.0	5.3	*	3.0	6.7	*
Hysterectomy	6	0.0	3.1	*	0.0	7.8	*	0.0	12.5	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	438
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	228
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

OHIO VALLEY GENERAL HOSPITAL

Medicare Provider Number: 510039

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,005	8.1	8.4	0.7	13.4	12.9	0.9	16.2	16.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	47	14.9	25.2	*	17.0	28.6	*	17.0	32.2	*
Congestive Heart Failure	95	16.8	16.3	5.2	28.4	24.7	5.6	30.5	31.8	5.0
Pneumonia/Influenza	84	16.7	17.1	5.8	22.6	23.1	4.7	27.4	27.8	4.9
Chronic Obstructive Pulmonary Disease	41	2.4	9.3	*	12.2	16.0	*	17.1	21.6	*
Transient Cerebral Ischemia	49	0.0	2.1	*	2.0	4.8	*	2.0	7.7	*
Stroke	62	17.7	23.8	6.6	21.0	29.6	7.5	27.4	33.9	7.0
Hip Fracture	44	9.1	6.3	*	18.2	11.5	*	20.5	15.0	*
Sepsis	15	26.7	27.0	*	40.0	35.5	*	46.7	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	4.2	*	15.4	8.4	*	23.1	12.5	*
Carotid Endarterectomy	9	0.0	1.3	*	11.1	2.4	*	11.1	3.5	*
Hip Replacement/Reconstruction	30	3.3	3.0	*	10.0	5.8	*	13.3	7.9	*
Open Reduction of Hip Fracture	23	13.0	6.3	*	21.7	11.9	*	21.7	16.0	*
Prostatectomy	65	0.0	1.6	2.0	0.0	3.9	4.0	3.1	6.3	4.2
Cholecystectomy	23	4.3	2.5	*	8.7	4.8	*	8.7	6.8	*
Hysterectomy	12	0.0	1.1	*	0.0	2.2	*	8.3	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,068	8.8	8.8	1.0	13.2	13.5	0.8	17.5	17.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	73	32.9	31.9	5.5	37.0	35.4	6.0	42.5	39.4	5.9
Congestive Heart Failure	96	20.8	15.5	5.4	31.3	24.1	9.3	38.5	31.3	9.0
Pneumonia/Influenza	76	13.2	16.0	5.5	18.4	21.8	5.7	26.3	26.6	5.1
Chronic Obstructive Pulmonary Disease	45	17.8	10.2	*	22.2	17.6	*	35.6	23.6	*
Transient Cerebral Ischemia	61	0.0	1.7	2.1	0.0	3.5	3.5	1.6	5.6	4.0
Stroke	68	16.2	23.3	8.8	22.1	29.5	9.5	27.9	34.2	9.4
Hip Fracture	47	2.1	5.9	*	6.4	10.7	*	12.8	14.1	*
Sepsis	25	20.0	25.8	*	24.0	33.4	*	24.0	39.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	2.4	*	13.3	5.2	*	13.3	8.0	*
Carotid Endarterectomy	19	5.3	1.5	*	5.3	2.9	*	5.3	4.2	*
Hip Replacement/Reconstruction	41	2.4	3.4	*	4.9	6.3	*	7.3	8.4	*
Open Reduction of Hip Fracture	23	0.0	5.3	*	4.3	10.3	*	8.7	13.9	*
Prostatectomy	64	0.0	1.4	3.4	4.7	3.5	4.1	10.9	5.8	4.6
Cholecystectomy	29	3.4	2.7	*	10.3	4.9	*	10.3	6.5	*
Hysterectomy	14	0.0	1.1	*	0.0	2.1	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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MEDICARE PROVIDER #510039

OVMC
OHIO VALLEY MEDICAL CENTER
2000 Eoff Street
Wheeling, WV 26003

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have received the HCFA Mortality Report for FY 1989 and have noted that the Ohio Valley Medical Center mortality rate for all Medicare discharges is lower than the predicted rate for our hospital.

We have reviewed patient records in the categories where observed mortalities appear to be somewhat higher than the predicted rate and have identified no problems or concerns. These areas are low volume conditions (less than 50 cases) which according to HCFAs General Overview Publication, "the precision and interpretability of our estimates are questionable when there are no details or 50 or fewer cases in a particular category being analyzed."

Taking into consideration the ages (67-98) and the comorbidities of these patients we have no reason to be concerned with these statistics. Record reviews revealed 100% of the patients that died had major medical problems and the cause of death in many cases was unrelated to the diagnosis listed. Most of the deaths reported (59%) occurred after discharge from our facility either in nursing homes, tertiary care hospitals, or elsewhere, for periods up to one year after discharge. The causes of these deaths may have been unrelated to the condition listed, due to the high incidence of comorbidities.

We find this information of interest but of little value in our medical staff quality assurance process. Quality and appropriateness of medical care can only be evaluated by thorough review of the care given to each patient.

Sincerely,

Thomas P Galinski

Thomas P. Galinski
President and Chief Executive Officer

OHIO VALLEY MEDICAL CENTER
EAST OHIO REGIONAL HOSPITAL
PETERSON HOSPITAL

Ohio Valley Health Services and Education Corporation

OVMC

PLATEAU MEDICAL CENTER

430 Main Street
Oak Hill, WV 25901

Medicare Provider Number: 510060

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	658	10.9	9.3	1.6	16.4	14.1	2.0	20.5	18.0	2.5
CONDITIONS:										
Acute Myocardial Infarction	38	34.2	24.3	*	36.8	28.5	*	44.7	32.1	*
Congestive Heart Failure	34	23.5	15.4	*	32.4	23.9	*	44.1	31.0	*
Pneumonia/Influenza	42	11.9	14.8	*	19.0	20.3	*	21.4	24.7	*
Chronic Obstructive Pulmonary Disease	22	18.2	5.2	*	31.8	10.9	*	31.8	15.9	*
Transient Cerebral Ischemia	18	0.0	1.9	*	5.6	4.2	*	11.1	6.8	*
Stroke	31	19.4	15.6	*	25.8	21.9	*	25.8	26.0	*
Hip Fracture	15	20.0	6.1	*	26.7	10.5	*	26.7	13.5	*
Sepsis	9	22.2	26.5	*	33.3	35.7	*	44.4	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	6	0.0	1.7	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	4	50.0	5.7	*	50.0	10.1	*	50.0	13.2	*
Open Reduction of Hip Fracture	9	11.1	5.6	*	11.1	10.1	*	11.1	13.2	*
Prostatectomy	19	0.0	1.2	*	0.0	3.1	*	10.5	5.3	*
Cholecystectomy	17	5.9	6.2	*	5.9	11.3	*	5.9	14.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	91
Occupancy Rate	52
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	55
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PLATEAU MEDICAL CENTER

Medicare Provider Number: 510060

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	654	11.6	9.3	1.8	17.9	14.4	2.8	21.9	18.4	2.6
CONDITIONS:										
Acute Myocardial Infarction	34	29.4	22.4	*	35.3	26.8	*	44.1	30.7	*
Congestive Heart Failure	31	25.8	16.4	*	32.3	24.8	*	41.9	31.5	*
Pneumonia/Influenza	51	19.6	16.8	5.9	29.4	22.6	7.1	39.2	27.0	8.9
Chronic Obstructive Pulmonary Disease	18	5.6	8.9	*	16.7	15.6	*	22.2	20.8	*
Transient Cerebral Ischemia	26	7.7	2.6	*	11.5	6.1	*	11.5	9.8	*
Stroke	20	15.0	18.2	*	15.0	25.3	*	15.0	29.9	*
Hip Fracture	16	6.3	5.8	*	12.5	10.6	*	18.8	14.0	*
Sepsis	2	100.0	35.7	*	100.0	54.5	*	100.0	64.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.1	*	0.0	5.1	*	0.0	8.2	*
Carotid Endarterectomy	4	0.0	0.8	*	0.0	1.5	*	0.0	2.3	*
Hip Replacement/Reconstruction	6	0.0	6.0	*	16.7	11.3	*	16.7	14.9	*
Open Reduction of Hip Fracture	9	11.1	4.9	*	11.1	9.3	*	22.2	12.3	*
Prostatectomy	14	0.0	0.9	*	7.1	2.1	*	7.1	3.4	*
Cholecystectomy	26	11.5	3.9	*	15.4	6.9	*	15.4	8.8	*
Hysterectomy	4	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	711	12.9	8.8	1.6	17.3	13.3	1.7	20.4	16.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	16	43.8	27.3	*	62.5	30.2	*	62.5	33.5	*
Congestive Heart Failure	32	28.1	16.3	*	31.3	25.1	*	34.4	32.4	*
Pneumonia/Influenza	58	24.1	16.6	8.3	34.5	22.5	11.0	37.9	27.3	10.5
Chronic Obstructive Pulmonary Disease	17	11.8	7.2	*	23.5	11.9	*	23.5	15.9	*
Transient Cerebral Ischemia	21	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke	41	24.4	20.7	*	29.3	27.3	*	36.6	31.7	*
Hip Fracture	12	16.7	5.6	*	16.7	10.1	*	33.3	13.3	*
Sepsis	3	0.0	29.4	*	0.0	39.4	*	0.0	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	3	0.0	1.3	*	33.3	2.2	*	33.3	3.0	*
Hip Replacement/Reconstruction	2	50.0	6.2	*	50.0	11.6	*	50.0	15.6	*
Open Reduction of Hip Fracture	5	20.0	3.6	*	20.0	7.2	*	60.0	9.9	*
Prostatectomy	28	3.6	1.1	*	3.6	2.6	*	3.6	4.4	*
Cholecystectomy	12	25.0	4.7	*	25.0	9.4	*	25.0	13.1	*
Hysterectomy	1	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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PMC **Plateau Medical Center**

430 Main Street
Oak Hill, West Virginia 25901

Phone (304) 465-0551
FAX (304) 465-0710

January 14, 1991

Medicare Provider #51-0060
Transmitted via FAX
Hard Copy to Follow

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to review and analyze the HCFA Mortality Report in advance of the release to the general public. While it is difficult to understand how this information will be of any use to consumers, it is reassuring to see that our hospital's overall mortality rate is well within the predicted range that would be established at a confidence level of over 75%. For the past three years, a continuing trend of improvement has been seen at this facility.

According to Enclosure D of your mailing, there were sixty (60) deaths that occurred during Fiscal Year 1989, either in or on the day of discharge from Plateau Medical Center. It is interesting to note that the average age of the patients in this group was eighty-one (81) based on our analysis. We have a very high percentage of chronically ill elderly patients, many of which are nursing home residents.

In the upcoming release to the public, we encourage HCFA not to release any observed or predicted rates for which the precision and interpretability of your estimates are questionable, i.e, for those conditions and procedures for which an (*) is placed in the standard deviation column. To do otherwise would be an irresponsible and potentially misleading misuse of the available information.

Mortality review is an ongoing and systematic process of the medical staff at Plateau Medical Center. We feel that the quality of care provided at PMC favorably matches local and national standards and have found this data to be helpful in keeping us informed of the need for ongoing review.

Sincerely,

R. T. Lucas

Robert T. Lucas
Administrator

An American Healthcare Management, Inc Facility

PLEASANT VALLEY HOSPITAL

Valley Drive
Point Pleasant, WV 25550

Medicare Provider Number: 510012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	787	9.5	8.2	1.2	13.5	12.9	1.2	17.5	16.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	27	22.2	22.1	*	33.3	24.7	*	33.3	27.5	*
Congestive Heart Failure	47	31.9	17.0	*	31.9	25.7	*	34.0	32.6	*
Pneumonia/Influenza	35	17.1	16.7	*	22.9	23.0	*	25.7	27.6	*
Chronic Obstructive Pulmonary Disease	21	0.0	5.7	*	0.0	10.8	*	14.3	15.1	*
Transient Cerebral Ischemia	25	0.0	2.4	*	0.0	5.2	*	0.0	8.0	*
Stroke	18	27.8	22.3	*	38.9	30.7	*	44.4	35.6	*
Hip Fracture	10	10.0	7.6	*	20.0	13.5	*	30.0	17.6	*
Sepsis	1	100.0	7.0	*	100.0	9.2	*	100.0	11.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.3	*	0.0	2.7	*	0.0	4.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	9.3	*	0.0	18.2	*	0.0	24.4	*
Open Reduction of Hip Fracture	6	16.7	6.0	*	33.3	10.7	*	50.0	13.8	*
Prostatectomy	19	0.0	1.3	*	0.0	3.2	*	10.5	5.4	*
Cholecystectomy	22	0.0	1.8	*	0.0	2.8	*	0.0	3.4	*
Hysterectomy	6	0.0	1.2	*	0.0	2.6	*	16.7	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	228
Occupancy Rate	59
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	25
Percent of Physicians Board Certified Specialists	40
Medical Residents/Interns	0
Registered Nurses	74
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PLEASANT VALLEY HOSPITAL

Medicare Provider Number: 510012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	763	12.2	8.9	1.7	16.8	13.9	1.8	21.4	18.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	26.4	*	32.0	29.4	*	32.0	32.8	*
Congestive Heart Failure	46	34.8	17.6	*	47.8	27.0	*	56.5	34.5	*
Pneumonia/Influenza	30	33.3	16.5	*	40.0	22.2	*	40.0	26.8	*
Chronic Obstructive Pulmonary Disease	28	17.9	8.6	*	17.9	15.8	*	21.4	21.7	*
Transient Cerebral Ischemia	26	3.8	2.5	*	7.7	5.5	*	15.4	8.7	*
Stroke	16	25.0	21.6	*	37.5	29.0	*	43.8	33.7	*
Hip Fracture	9	0.0	5.6	*	11.1	10.3	*	22.2	13.5	*
Sepsis	4	0.0	15.8	*	0.0	20.8	*	0.0	25.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	9.3	*	0.0	11.6	*	0.0	14.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.0	*	0.0	5.7	*	0.0	7.6	*
Open Reduction of Hip Fracture	4	0.0	6.0	*	25.0	11.8	*	25.0	15.6	*
Prostatectomy	28	0.0	1.2	*	3.6	3.0	*	7.1	4.9	*
Cholecystectomy	12	0.0	2.3	*	0.0	3.7	*	0.0	4.6	*
Hysterectomy	2	0.0	0.7	*	0.0	1.1	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	756	10.2	9.6	1.3	14.8	14.4	1.8	19.3	18.3	2.2
CONDITIONS:										
Acute Myocardial Infarction	33	42.4	33.0	*	42.4	36.2	*	48.5	39.4	*
Congestive Heart Failure	56	25.0	18.4	7.4	39.3	27.5	10.3	39.3	34.7	11.2
Pneumonia/Influenza	34	17.6	16.4	*	20.6	21.6	*	26.5	26.0	*
Chronic Obstructive Pulmonary Disease	11	0.0	13.5	*	9.1	22.2	*	9.1	28.5	*
Transient Cerebral Ischemia	30	0.0	2.5	*	6.7	5.4	*	13.3	8.6	*
Stroke	17	35.3	22.3	*	47.1	31.0	*	64.7	36.1	*
Hip Fracture	17	11.8	6.2	*	11.8	10.6	*	17.6	13.5	*
Sepsis	17	23.5	27.5	*	35.3	34.1	*	47.1	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	2.2	*	20.0	4.4	*	20.0	6.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	6.7	*	0.0	12.6	*	0.0	17.1	*
Open Reduction of Hip Fracture	13	15.4	5.6	*	15.4	10.1	*	23.1	13.0	*
Prostatectomy	24	0.0	1.6	*	0.0	4.2	*	4.2	7.2	*
Cholecystectomy	16	0.0	2.4	*	6.3	3.9	*	12.5	4.8	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

POCAHONTAS MEMORIAL HOSPITAL

103 8th St
Marlinton, WV 24954

Medicare Provider Number: 510043

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	247	8.5	12.0	2.5	14.6	18.2	3.5	19.0	22.7	3.2
CONDITIONS:										
Acute Myocardial Infarction	5	60.0	28.0	*	60.0	31.4	*	60.0	35.1	*
Congestive Heart Failure	14	7.1	15.6	*	21.4	25.5	*	28.6	33.5	*
Pneumonia/Influenza	23	8.7	14.0	*	17.4	19.9	*	26.1	24.3	*
Chronic Obstructive Pulmonary Disease	3	0.0	6.4	*	0.0	10.2	*	0.0	13.6	*
Transient Cerebral Ischemia	7	0.0	1.4	*	14.3	3.0	*	14.3	4.7	*
Stroke	7	28.6	20.6	*	28.6	26.0	*	28.6	30.1	*
Hip Fracture	0									
Sepsis	8	0.0	24.9	*	25.0	33.7	*	37.5	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	40
Occupancy Rate	45
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	3
Percent of Physicians Board Certified Specialists	33
Medical Residents/Interns	0
Registered Nurses	12
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

POCAHONTAS MEMORIAL HOSPITAL

Medicare Provider Number: 510043

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	229	10.9	11.9	2.2	15.3	18.2	3.1	19.2	22.8	3.5
CONDITIONS:										
Acute Myocardial Infarction	6	0.0	21.1	*	0.0	24.2	*	16.7	27.2	*
Congestive Heart Failure	12	0.0	20.7	*	8.3	32.6	*	16.7	41.8	*
Pneumonia/Influenza	26	11.5	15.0	*	15.4	21.1	*	19.2	25.5	*
Chronic Obstructive Pulmonary Disease	8	0.0	8.1	*	12.5	13.9	*	12.5	18.6	*
Transient Cerebral Ischemia	0									
Stroke	6	16.7	18.2	*	16.7	23.7	*	16.7	28.1	*
Hip Fracture	0									
Sepsis	7	28.6	46.3	*	28.6	56.5	*	28.6	64.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	215	11.2	12.8	2.7	15.8	19.1	3.5	18.1	23.9	4.8
CONDITIONS:										
Acute Myocardial Infarction	7	42.9	37.6	*	42.9	42.8	*	42.9	46.0	*
Congestive Heart Failure	11	36.4	16.0	*	36.4	24.0	*	36.4	30.5	*
Pneumonia/Influenza	26	7.7	14.9	*	11.5	21.0	*	19.2	25.5	*
Chronic Obstructive Pulmonary Disease	10	0.0	9.3	*	0.0	17.3	*	0.0	23.5	*
Transient Cerebral Ischemia	3	0.0	1.8	*	0.0	3.6	*	0.0	5.7	*
Stroke	8	12.5	22.2	*	37.5	29.1	*	37.5	34.3	*
Hip Fracture	0									
Sepsis	5	40.0	36.5	*	40.0	46.9	*	40.0	54.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

POTOMAC VALLEY HOSPITAL

South Mineral Street
Keyser, WV 26726

Medicare Provider Number: 510061

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	423	9.9	8.7	2.1	14.4	13.1	2.0	17.3	16.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	19	47.4	24.6	*	47.4	27.4	*	47.4	30.5	*
Congestive Heart Failure	26	11.5	14.9	*	15.4	23.3	*	15.4	30.5	*
Pneumonia/Influenza	25	32.0	16.6	*	44.0	23.3	*	52.0	28.7	*
Chronic Obstructive Pulmonary Disease	12	0.0	4.8	*	8.3	9.6	*	25.0	14.1	*
Transient Cerebral Ischemia	8	0.0	1.6	*	0.0	3.4	*	0.0	5.5	*
Stroke	12	25.0	18.7	*	41.7	26.8	*	58.3	31.9	*
Hip Fracture	5	0.0	5.5	*	0.0	10.1	*	0.0	13.3	*
Sepsis	3	0.0	19.8	*	0.0	26.6	*	0.0	32.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.6	*	33.3	6.8	*	33.3	9.1	*
Open Reduction of Hip Fracture	2	0.0	6.0	*	0.0	11.4	*	0.0	15.2	*
Prostatectomy	0									
Cholecystectomy	16	12.5	2.3	*	12.5	4.7	*	12.5	6.8	*
Hysterectomy	1	0.0	1.0	*	0.0	1.8	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	51
Occupancy Rate	59
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	13
Percent of Physicians Board Certified Specialists	46
Medical Residents/Interns	0
Registered Nurses	31
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

POTOMAC VALLEY HOSPITAL

Medicare Provider Number: 510061

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	450	10.2	7.7	1.8	15.6	11.7	2.4	18.9	15.0	2.8
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	24.0	*	35.0	26.7	*	35.0	29.8	*
Congestive Heart Failure	33	15.2	13.0	*	24.2	19.7	*	27.3	25.6	*
Pneumonia/Influenza	22	18.2	16.9	*	36.4	23.8	*	36.4	29.2	*
Chronic Obstructive Pulmonary Disease	8	0.0	3.4	*	0.0	7.0	*	12.5	10.2	*
Transient Cerebral Ischemia	6	16.7	1.9	*	16.7	4.0	*	16.7	6.1	*
Stroke	20	35.0	19.1	*	40.0	26.1	*	45.0	30.6	*
Hip Fracture	7	14.3	4.9	*	14.3	9.0	*	28.6	11.8	*
Sepsis	1	0.0	8.0	*	0.0	13.2	*	0.0	17.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.3	*	0.0	6.9	*	0.0	9.8	*
Open Reduction of Hip Fracture	6	16.7	4.3	*	16.7	8.1	*	33.3	10.7	*
Prostatectomy	0									
Cholecystectomy	12	8.3	2.2	*	8.3	4.0	*	8.3	5.1	*
Hysterectomy	2	0.0	3.5	*	0.0	7.2	*	0.0	10.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	444	12.8	8.6	2.0	18.0	12.7	2.2	20.0	16.2	2.1
CONDITIONS:										
Acute Myocardial Infarction	21	42.9	25.2	*	47.6	28.3	*	47.6	31.4	*
Congestive Heart Failure	33	18.2	15.3	*	36.4	24.2	*	39.4	31.6	*
Pneumonia/Influenza	27	11.1	13.7	*	18.5	19.0	*	18.5	23.7	*
Chronic Obstructive Pulmonary Disease	7	14.3	7.5	*	14.3	13.1	*	14.3	17.4	*
Transient Cerebral Ischemia	11	0.0	1.6	*	9.1	3.3	*	9.1	5.2	*
Stroke	22	18.2	16.7	*	22.7	23.1	*	22.7	27.2	*
Hip Fracture	3	0.0	3.1	*	0.0	6.1	*	0.0	8.6	*
Sepsis	1	0.0	31.0	*	0.0	35.9	*	0.0	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	2.1	*	0.0	4.5	*	0.0	6.4	*
Open Reduction of Hip Fracture	1	0.0	2.4	*	0.0	4.5	*	0.0	6.2	*
Prostatectomy	0									
Cholecystectomy	10	10.0	2.1	*	10.0	3.4	*	10.0	4.2	*
Hysterectomy	2	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PRESTON MEMORIAL HOSPITAL

300 South Price St
Kingwood, WV 26537

Medicare Provider Number: 510005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	337	11.0	10.3	1.9	15.7	15.4	2.0	18.1	19.5	2.6
CONDITIONS:										
Acute Myocardial Infarction	9	11.1	16.6	*	11.1	21.1	*	22.2	24.9	*
Congestive Heart Failure	23	8.7	14.4	*	8.7	22.3	*	13.0	29.0	*
Pneumonia/Influenza	24	8.3	18.5	*	20.8	24.6	*	20.8	29.2	*
Chronic Obstructive Pulmonary Disease	2	0.0	29.4	*	0.0	47.7	*	0.0	55.8	*
Transient Cerebral Ischemia	4	0.0	1.7	*	25.0	3.8	*	25.0	6.2	*
Stroke	8	50.0	29.0	*	62.5	35.6	*	62.5	40.4	*
Hip Fracture	2	50.0	10.9	*	50.0	17.5	*	50.0	21.1	*
Sepsis	5	0.0	25.8	*	20.0	30.4	*	20.0	36.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	50.0	9.5	*	50.0	16.2	*	50.0	19.8	*
Prostatectomy	1	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*
Cholecystectomy	9	0.0	2.6	*	0.0	3.9	*	0.0	4.9	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	58
Occupancy Rate	40
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	0
Registered Nurses	23
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PRESTON MEMORIAL HOSPITAL

Medicare Provider Number: 510005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	376	10.9	9.2	2.6	16.0	13.1	2.8	18.6	16.6	2.6
CONDITIONS:										
Acute Myocardial Infarction	11	54.5	22.5	*	54.5	25.3	*	54.5	28.6	*
Congestive Heart Failure	15	13.3	17.0	*	13.3	25.9	*	26.7	33.2	*
Pneumonia/Influenza	26	26.9	16.6	*	34.6	22.2	*	38.5	26.4	*
Chronic Obstructive Pulmonary Disease	3	0.0	4.1	*	0.0	7.5	*	0.0	10.5	*
Transient Cerebral Ischemia	15	0.0	2.5	*	0.0	5.8	*	6.7	9.4	*
Stroke	13	0.0	21.2	*	7.7	27.7	*	7.7	32.8	*
Hip Fracture	3	0.0	2.5	*	0.0	4.8	*	0.0	6.3	*
Sepsis	8	12.5	36.7	*	12.5	42.1	*	12.5	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	0.0	2.5	*	0.0	4.9	*	0.0	6.6	*
Prostatectomy	1	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*
Cholecystectomy	10	0.0	1.6	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	1	0.0	0.8	*	0.0	2.0	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	368	10.1	8.3	1.7	16.0	12.4	2.3	20.1	15.8	2.6
CONDITIONS:										
Acute Myocardial Infarction	15	20.0	25.9	*	20.0	29.1	*	20.0	32.4	*
Congestive Heart Failure	11	9.1	13.0	*	9.1	20.4	*	18.2	26.7	*
Pneumonia/Influenza	17	11.8	16.0	*	17.6	21.8	*	29.4	26.0	*
Chronic Obstructive Pulmonary Disease	9	0.0	4.4	*	11.1	8.6	*	11.1	12.3	*
Transient Cerebral Ischemia	4	0.0	2.3	*	25.0	5.0	*	25.0	8.0	*
Stroke	14	28.6	19.0	*	35.7	25.5	*	35.7	30.3	*
Hip Fracture	7	14.3	6.2	*	42.9	11.5	*	42.9	15.3	*
Sepsis	5	40.0	28.9	*	80.0	38.4	*	80.0	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	6	16.7	3.9	*	33.3	7.7	*	33.3	10.6	*
Prostatectomy	1	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*
Cholecystectomy	4	0.0	3.9	*	0.0	6.4	*	0.0	8.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PRINCETON COMMUNITY HOSPITAL

12th St Extension
Princeton, WV 24740

Medicare Provider Number: 510046

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,020	8.1	9.5	0.9	12.4	13.9	1.2	15.2	17.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	74	28.4	31.1	6.0	32.4	34.3	6.1	35.1	37.7	6.4
Congestive Heart Failure	114	10.5	15.5	4.4	16.7	24.1	5.5	30.7	31.2	4.4
Pneumonia/Influenza	107	10.3	16.8	6.1	17.8	22.5	6.0	20.6	27.1	7.3
Chronic Obstructive Pulmonary Disease	56	12.5	9.8	6.8	21.4	16.2	7.6	23.2	21.4	6.4
Transient Cerebral Ischemia	14	0.0	1.6	*	7.1	3.4	*	7.1	5.1	*
Stroke	76	21.1	23.7	6.3	34.2	30.4	6.3	39.5	34.8	8.8
Hip Fracture	70	2.9	6.7	4.0	5.7	11.6	5.7	5.7	14.6	6.4
Sepsis	22	9.1	25.4	*	18.2	33.1	*	27.3	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	3.3	*	5.9	5.7	*	5.9	7.8	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	59	3.4	3.5	2.8	5.1	6.4	4.2	5.1	8.3	4.9
Open Reduction of Hip Fracture	37	0.0	6.2	*	2.7	11.0	*	2.7	13.9	*
Prostatectomy	67	1.5	1.1	1.6	1.5	2.8	2.5	4.5	4.7	2.6
Cholecystectomy	53	0.0	2.7	3.5	1.9	4.6	5.0	1.9	5.9	5.4
Hysterectomy	17	0.0	0.7	*	0.0	1.4	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	211
Occupancy Rate	75
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	65
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	148
Licensed Practical Nurses	139

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PRINCETON COMMUNITY HOSPITAL

Medicare Provider Number: 510046

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,875	8.5	9.2	1.0	13.4	13.6	1.1	16.1	17.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	55	30.9	31.8	6.6	38.2	35.2	7.6	38.2	38.9	7.4
Congestive Heart Failure	90	16.7	15.0	4.3	25.6	22.6	5.0	36.7	29.0	7.7
Pneumonia/Influenza	117	6.8	17.9	5.2	17.9	23.8	4.8	23.9	28.5	4.5
Chronic Obstructive Pulmonary Disease	57	10.5	8.4	4.2	12.3	14.3	5.2	17.5	19.5	5.8
Transient Cerebral Ischemia	21	0.0	2.3	*	0.0	4.9	*	0.0	7.5	*
Stroke	70	25.7	20.7	8.1	31.4	27.1	8.0	34.3	31.6	6.6
Hip Fracture	66	1.5	7.0	4.5	6.1	12.4	6.1	6.1	15.7	7.1
Sepsis	19	26.3	33.1	*	31.6	40.4	*	31.6	46.0	*
PROCEDURES:										
Angioplasty	1	0.0	12.0	*	0.0	16.8	*	0.0	20.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.8	*	0.0	7.3	*	0.0	10.5	*
Carotid Endarterectomy	5	0.0	3.5	*	0.0	7.2	*	0.0	10.0	*
Hip Replacement/Reconstruction	62	1.6	3.6	3.2	4.8	6.7	5.0	4.8	8.9	5.8
Open Reduction of Hip Fracture	34	2.9	5.8	*	5.9	10.7	*	5.9	13.8	*
Prostatectomy	63	1.6	1.3	1.7	4.8	3.2	3.3	4.8	5.3	2.9
Cholecystectomy	55	3.6	1.9	2.3	3.6	3.0	2.6	3.6	3.8	3.0
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,930	7.6	8.3	0.8	11.6	12.4	0.9	14.5	15.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	72	37.5	31.4	9.7	43.1	34.9	9.9	43.1	38.4	8.4
Congestive Heart Failure	77	16.9	16.1	5.6	22.1	24.1	5.2	27.3	30.7	6.4
Pneumonia/Influenza	70	8.6	15.7	8.9	12.9	21.0	9.7	18.6	25.5	9.1
Chronic Obstructive Pulmonary Disease	36	8.3	10.3	*	16.7	17.6	*	16.7	22.9	*
Transient Cerebral Ischemia	25	4.0	1.8	*	4.0	3.7	*	4.0	5.7	*
Stroke	67	23.9	21.7	5.4	28.4	28.9	5.6	31.3	33.4	6.4
Hip Fracture	53	1.9	5.7	3.9	9.4	10.3	4.2	15.1	13.3	4.9
Sepsis	18	27.8	31.9	*	27.8	41.4	*	27.8	47.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	3.1	*	22.2	5.3	*	22.2	7.4	*
Carotid Endarterectomy	10	0.0	2.2	*	0.0	4.5	*	0.0	6.4	*
Hip Replacement/Reconstruction	65	1.5	2.8	2.3	6.2	5.4	2.9	9.2	7.3	4.2
Open Reduction of Hip Fracture	23	0.0	5.3	*	4.3	9.6	*	8.7	12.4	*
Prostatectomy	68	0.0	1.3	2.3	1.5	3.3	2.7	4.4	5.5	3.1
Cholecystectomy	44	2.3	3.3	*	2.3	5.6	*	2.3	7.2	*
Hysterectomy	8	0.0	0.6	*	0.0	1.0	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

RALEIGH GENERAL HOSPITAL

1710 Harper Road
Beckley, WV 25801

Medicare Provider Number: 510070

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,111	10.0	8.8	0.8	15.1	13.5	1.1	19.1	17.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	81	33.3	26.2	7.9	39.5	28.8	8.8	42.0	31.7	9.7
Congestive Heart Failure	128	18.0	15.9	4.4	28.9	24.6	5.8	37.5	31.7	7.1
Pneumonia/Influenza	80	15.0	14.6	8.3	22.5	19.9	9.1	28.7	24.2	10.1
Chronic Obstructive Pulmonary Disease	54	3.7	5.2	3.3	9.3	10.4	4.7	13.0	15.0	6.1
Transient Cerebral Ischemia	31	6.5	2.0	*	6.5	4.4	*	6.5	7.0	*
Stroke	73	32.9	19.4	8.5	35.6	25.9	8.0	41.1	30.2	8.6
Hip Fracture	43	4.7	6.8	*	11.6	12.2	*	16.3	15.9	*
Sepsis	27	7.4	26.0	*	11.1	34.3	*	11.1	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	5.8	*	20.0	8.6	*	20.0	10.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	4.0	4.6	*	8.0	8.5	*	16.0	11.2	*
Open Reduction of Hip Fracture	13	0.0	5.6	*	7.7	10.4	*	7.7	13.7	*
Prostatectomy	92	0.0	0.5	0.9	1.1	1.1	1.1	2.2	1.9	1.5
Cholecystectomy	63	0.0	2.2	2.7	0.0	3.9	4.3	1.6	5.2	4.2
Hysterectomy	24	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	275
Occupancy Rate	54
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	121
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	0
Registered Nurses	111
Licensed Practical Nurses	116

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RALEIGH GENERAL HOSPITAL

Medicare Provider Number: 510070

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,023	11.1	9.1	1.1	16.3	14.0	1.2	19.2	17.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	72	29.2	27.5	6.0	38.9	30.4	7.7	41.7	33.6	8.9
Congestive Heart Failure	103	25.2	15.6	6.8	29.1	23.7	6.0	35.0	30.3	5.3
Pneumonia/Influenza	66	24.2	19.6	7.3	33.3	27.1	6.7	34.8	32.5	5.9
Chronic Obstructive Pulmonary Disease	49	8.2	6.7	*	20.4	13.2	*	20.4	19.0	*
Transient Cerebral Ischemia	46	2.2	2.1	*	2.2	4.6	*	6.5	7.3	*
Stroke	69	21.7	19.9	4.9	31.9	27.4	7.1	34.8	32.1	5.8
Hip Fracture	45	11.1	6.6	*	20.0	11.7	*	24.4	14.8	*
Sepsis	20	15.0	21.3	*	25.0	27.6	*	30.0	32.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.0	*	0.0	5.2	*	0.0	7.4	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	20	5.0	8.1	*	15.0	13.2	*	15.0	16.3	*
Open Reduction of Hip Fracture	17	5.9	5.8	*	23.5	10.7	*	35.3	13.9	*
Prostatectomy	103	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*
Cholecystectomy	45	0.0	2.5	*	0.0	4.2	*	2.2	5.6	*
Hysterectomy	25	0.0	0.9	*	0.0	2.0	*	4.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,973	11.3	9.1	0.9	15.9	13.9	0.9	18.8	17.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	81	29.6	28.6	5.2	32.1	31.8	5.2	34.6	35.1	5.4
Congestive Heart Failure	113	21.2	18.0	5.4	37.2	27.3	6.9	45.1	34.7	7.5
Pneumonia/Influenza	55	14.5	16.9	5.2	25.5	23.6	8.8	25.5	28.5	9.4
Chronic Obstructive Pulmonary Disease	43	11.6	9.6	*	14.0	16.2	*	18.6	21.5	*
Transient Cerebral Ischemia	55	1.8	1.7	2.8	3.6	3.5	4.0	5.5	5.4	4.5
Stroke	78	29.5	20.3	6.6	32.1	27.6	6.3	35.9	32.1	5.8
Hip Fracture	47	6.4	6.4	*	8.5	11.5	*	12.8	14.8	*
Sepsis	17	35.3	21.1	*	41.2	28.5	*	41.2	34.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	3.5	*	10.0	7.1	*	10.0	10.6	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.4	*	0.0	3.3	*
Hip Replacement/Reconstruction	22	4.5	4.2	*	4.5	7.8	*	9.1	10.2	*
Open Reduction of Hip Fracture	14	7.1	7.4	*	14.3	13.9	*	21.4	18.2	*
Prostatectomy	107	0.0	0.7	0.9	0.0	1.6	1.8	0.9	2.7	2.1
Cholecystectomy	52	1.9	1.7	1.8	1.9	2.9	2.5	1.9	3.8	3.1
Hysterectomy	17	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

REYNOLDS MEMORIAL HOSPITAL

800 Wheeling Ave
Glen Dale, WV 26038

Medicare Provider Number: 510013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,195	8.6	10.8	1.2	13.5	16.1	1.5	17.7	20.1	1.5
CONDITIONS:										
Acute Myocardial Infarction	40	30.0	32.1	*	35.0	36.3	*	40.0	40.0	*
Congestive Heart Failure	111	14.4	15.1	3.5	26.1	23.6	4.9	36.9	30.5	6.5
Pneumonia/Influenza	51	3.9	17.2	7.2	11.8	23.4	8.0	17.6	28.3	7.6
Chronic Obstructive Pulmonary Disease	35	5.7	5.3	*	11.4	9.8	*	20.0	14.0	*
Transient Cerebral Ischemia	32	0.0	1.7	*	3.1	3.6	*	3.1	5.7	*
Stroke	47	19.1	18.8	*	27.7	26.4	*	36.2	31.0	*
Hip Fracture	34	2.9	6.6	*	2.9	11.9	*	2.9	15.6	*
Sepsis	15	13.3	33.1	*	26.7	39.7	*	26.7	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	8.9	*	25.0	15.4	*	25.0	19.7	*
Carotid Endarterectomy	12	0.0	2.3	*	0.0	4.8	*	0.0	7.2	*
Hip Replacement/Reconstruction	13	0.0	5.1	*	0.0	9.7	*	0.0	12.9	*
Open Reduction of Hip Fracture	16	0.0	6.1	*	0.0	11.3	*	0.0	14.8	*
Prostatectomy	37	0.0	1.2	*	0.0	3.0	*	2.7	5.2	*
Cholecystectomy	22	4.5	4.7	*	4.5	8.2	*	4.5	10.3	*
Hysterectomy	8	0.0	0.6	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	150
Occupancy Rate	53
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	56
Percent of Physicians Board Certified Specialists	46
Medical Residents/Interns	0
Registered Nurses	122
Licensed Practical Nurses	80

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

REYNOLDS MEMORIAL HOSPITAL

Medicare Provider Number: 510013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,174	7.5	10.3	1.2	12.6	15.4	1.4	15.9	19.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	47	21.3	31.9	*	25.5	35.5	*	29.8	39.4	*
Congestive Heart Failure	76	11.8	15.6	6.7	19.7	23.5	10.1	25.0	30.2	9.3
Pneumonia/Influenza	52	19.2	17.5	5.9	23.1	23.7	5.9	26.9	28.4	6.4
Chronic Obstructive Pulmonary Disease	32	6.3	6.9	*	9.4	12.9	*	15.6	18.3	*
Transient Cerebral Ischemia	23	0.0	2.0	*	4.3	4.1	*	4.3	6.3	*
Stroke	45	11.1	18.1	*	20.0	25.2	*	24.4	29.7	*
Hip Fracture	21	0.0	7.9	*	14.3	13.7	*	14.3	17.1	*
Sepsis	11	0.0	33.0	*	0.0	39.4	*	0.0	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	25.0	15.0	*	25.0	18.3	*	25.0	21.3	*
Carotid Endarterectomy	14	0.0	1.8	*	0.0	3.5	*	0.0	5.3	*
Hip Replacement/Reconstruction	5	0.0	8.3	*	0.0	15.3	*	0.0	19.2	*
Open Reduction of Hip Fracture	14	0.0	6.6	*	14.3	11.7	*	14.3	14.7	*
Prostatectomy	32	0.0	1.0	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy	25	0.0	4.2	*	4.0	6.9	*	4.0	8.5	*
Hysterectomy	6	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,234	9.8	9.0	1.0	14.7	13.8	1.6	18.3	17.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	41	29.3	28.8	*	41.5	31.7	*	43.9	34.8	*
Congestive Heart Failure	59	15.3	15.3	4.8	23.7	23.4	5.9	32.2	30.3	6.5
Pneumonia/Influenza	49	24.5	16.0	*	30.6	21.7	*	32.7	26.5	*
Chronic Obstructive Pulmonary Disease	37	13.5	9.3	*	21.6	15.6	*	21.6	20.7	*
Transient Cerebral Ischemia	42	7.1	1.9	*	11.9	4.3	*	11.9	6.7	*
Stroke	42	26.2	22.3	*	33.3	28.2	*	40.5	32.7	*
Hip Fracture	26	7.7	7.7	*	11.5	13.5	*	19.2	17.3	*
Sepsis	6	33.3	28.1	*	33.3	34.6	*	33.3	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	11.1	*	0.0	16.8	*	33.3	19.5	*
Carotid Endarterectomy	14	7.1	1.7	*	7.1	3.3	*	7.1	4.9	*
Hip Replacement/Reconstruction	7	0.0	5.5	*	14.3	10.6	*	14.3	14.1	*
Open Reduction of Hip Fracture	9	0.0	7.1	*	0.0	13.2	*	11.1	17.1	*
Prostatectomy	33	3.0	2.1	*	9.1	5.2	*	9.1	8.7	*
Cholecystectomy	16	0.0	3.0	*	0.0	4.5	*	0.0	5.5	*
Hysterectomy	4	0.0	1.4	*	0.0	3.2	*	0.0	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RICHWOOD AREA MEDICAL CENTER

Riverside Addition
Richwood, WV 26261

Medicare Provider Number: 510016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	178	14.0	9.7	2.5	16.9	14.2	3.1	23.0	18.0	3.3
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	15	20.0	15.5	*	20.0	22.9	*	40.0	29.7	*
Pneumonia/Influenza	17	17.6	16.4	*	23.5	22.3	*	29.4	27.2	*
Chronic Obstructive Pulmonary Disease	8	12.5	6.7	*	12.5	11.2	*	12.5	14.9	*
Transient Cerebral Ischemia	5	20.0	3.4	*	20.0	8.2	*	20.0	13.3	*
Stroke	9	55.6	21.6	*	55.6	29.0	*	55.6	33.9	*
Hip Fracture	0									
Sepsis	2	0.0	14.6	*	0.0	18.2	*	0.0	22.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	5	0.0	0.8	*	0.0	1.4	*	0.0	1.9	*
Hysterectomy	3	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	50
Occupancy Rate	30
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	11
Percent of Physicians Board Certified Specialists	55
Medical Residents/Interns	0
Registered Nurses	9
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RICHWOOD AREA MEDICAL CENTER

Medicare Provider Number: 510016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	148	10.1	9.1	4.5	17.6	13.2	5.6	20.9	16.6	5.8
CONDITIONS:										
Acute Myocardial Infarction	6	33.3	28.3	*	33.3	33.9	*	33.3	37.5	*
Congestive Heart Failure	10	20.0	16.6	*	20.0	25.6	*	20.0	33.2	*
Pneumonia/Influenza	11	9.1	12.3	*	27.3	17.0	*	27.3	21.0	*
Chronic Obstructive Pulmonary Disease	6	0.0	4.6	*	0.0	9.5	*	0.0	13.8	*
Transient Cerebral Ischemia	1	0.0	3.1	*	0.0	6.6	*	0.0	10.4	*
Stroke	8	25.0	17.4	*	50.0	23.1	*	50.0	27.4	*
Hip Fracture	0									
Sepsis	3	0.0	31.4	*	0.0	39.8	*	33.3	46.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	4	0.0	2.9	*	0.0	5.6	*	0.0	7.4	*
Hysterectomy	1	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	194	12.4	9.2	3.8	16.0	13.6	3.9	19.1	17.2	3.7
CONDITIONS:										
Acute Myocardial Infarction	8	12.5	19.1	*	25.0	23.3	*	25.0	26.8	*
Congestive Heart Failure	14	14.3	15.5	*	14.3	25.8	*	21.4	34.0	*
Pneumonia/Influenza	24	16.7	15.0	*	16.7	21.4	*	20.8	26.6	*
Chronic Obstructive Pulmonary Disease	3	0.0	2.7	*	0.0	5.1	*	0.0	7.4	*
Transient Cerebral Ischemia	5	0.0	1.3	*	0.0	2.7	*	0.0	4.3	*
Stroke	10	30.0	15.3	*	30.0	20.6	*	30.0	24.9	*
Hip Fracture	0									
Sepsis	2	0.0	24.8	*	0.0	29.9	*	100.0	36.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*
Cholecystectomy	1	0.0	0.8	*	0.0	1.4	*	0.0	1.9	*
Hysterectomy	4	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ROANE GENERAL HOSPITAL

200 Hospital Drive
Spencer, WV 25276

Medicare Provider Number: 510081

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	401	8.0	9.8	2.2	12.2	15.0	2.8	15.7	19.0	2.9
CONDITIONS:										
Acute Myocardial Infarction	8	37.5	23.4	*	50.0	25.8	*	50.0	28.7	*
Congestive Heart Failure	39	10.3	16.6	*	20.5	25.1	*	23.1	32.0	*
Pneumonia/Influenza	54	5.6	16.8	7.7	13.0	23.3	8.5	18.5	28.0	7.7
Chronic Obstructive Pulmonary Disease	10	10.0	6.1	*	10.0	12.1	*	10.0	17.5	*
Transient Cerebral Ischemia	19	0.0	3.9	*	5.3	8.9	*	5.3	13.7	*
Stroke	9	33.3	17.4	*	33.3	23.4	*	33.3	27.3	*
Hip Fracture	1	0.0	7.9	*	0.0	15.4	*	0.0	20.5	*
Sepsis	1	0.0	9.4	*	0.0	14.7	*	0.0	17.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	6	0.0	1.4	*	0.0	3.6	*	0.0	6.0	*
Cholecystectomy	9	0.0	1.4	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy	1	0.0	1.9	*	0.0	3.6	*	0.0	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	80
Occupancy Rate	34
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	14
Percent of Physicians Board Certified Specialists	43
Medical Residents/Interns	0
Registered Nurses	24
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ROANE GENERAL HOSPITAL

Medicare Provider Number: 510081

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	458	9.2	9.2	2.0	14.4	14.0	1.9	18.3	17.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	12	66.7	37.5	*	66.7	41.8	*	66.7	45.2	*
Congestive Heart Failure	24	16.7	16.6	*	25.0	25.6	*	33.3	32.9	*
Pneumonia/Influenza	53	5.7	15.3	6.9	9.4	20.7	8.6	9.4	24.9	8.9
Chronic Obstructive Pulmonary Disease	23	0.0	9.6	*	8.7	17.8	*	17.4	24.6	*
Transient Cerebral Ischemia	16	0.0	3.3	*	6.3	6.8	*	12.5	10.1	*
Stroke	24	20.8	16.9	*	37.5	23.9	*	37.5	28.2	*
Hip Fracture	6	0.0	6.9	*	0.0	12.3	*	0.0	15.6	*
Sepsis	1	0.0	28.9	*	0.0	38.2	*	0.0	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	5	0.0	6.5	*	0.0	12.1	*	0.0	15.7	*
Prostatectomy	9	0.0	2.0	*	0.0	5.3	*	0.0	9.2	*
Cholecystectomy	5	0.0	2.0	*	0.0	3.5	*	0.0	4.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	452	10.6	9.6	1.9	15.0	14.1	2.0	18.4	17.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	22	40.9	27.5	*	45.5	30.3	*	45.5	33.4	*
Congestive Heart Failure	34	14.7	16.9	*	17.6	26.0	*	23.5	33.6	*
Pneumonia/Influenza	41	14.6	12.9	*	19.5	18.0	*	29.3	22.1	*
Chronic Obstructive Pulmonary Disease	14	0.0	12.4	*	14.3	20.4	*	28.6	26.2	*
Transient Cerebral Ischemia	22	4.5	2.4	*	13.6	4.8	*	13.6	7.2	*
Stroke	21	47.6	18.9	*	52.4	26.3	*	52.4	31.2	*
Hip Fracture	3	0.0	6.9	*	0.0	11.5	*	0.0	14.4	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	7.9	*	0.0	13.1	*	0.0	16.1	*
Prostatectomy	11	9.1	2.2	*	9.1	5.8	*	9.1	10.3	*
Cholecystectomy	3	0.0	1.3	*	0.0	2.2	*	0.0	3.0	*
Hysterectomy	1	0.0	0.2	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SISTERVILLE GENERAL HOSPITAL

314 S Wells St
Sistersville, WV 26175

Medicare Provider Number: 510065

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	170	10.6	10.2	2.4	16.5	15.2	3.3	21.2	19.2	4.0
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	28.5	*	28.6	31.9	*	28.6	35.2	*
Congestive Heart Failure	6	0.0	16.9	*	0.0	27.5	*	0.0	35.6	*
Pneumonia/Influenza	28	25.0	14.9	*	28.6	20.1	*	32.1	24.1	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Stroke	6	0.0	24.4	*	16.7	31.5	*	50.0	36.5	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	21
Occupancy Rate	38
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	3
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	9
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SISTERVILLE GENERAL HOSPITAL

Medicare Provider Number: 510065

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	177	14.1	12.0	3.6	18.6	17.2	3.4	20.9	21.6	3.4
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	37.6	*	36.4	41.2	*	36.4	45.0	*
Congestive Heart Failure	10	20.0	17.5	*	40.0	27.9	*	50.0	36.2	*
Pneumonia/Influenza	27	18.5	18.5	*	22.2	24.6	*	25.9	29.0	*
Chronic Obstructive Pulmonary Disease	3	0.0	6.7	*	0.0	10.7	*	0.0	14.8	*
Transient Cerebral Ischemia	2	0.0	3.1	*	0.0	7.8	*	0.0	13.0	*
Stroke	7	42.9	27.1	*	42.9	33.6	*	42.9	38.8	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	1.2	*	0.0	2.0	*	0.0	2.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	130	15.4	11.3	4.2	20.0	16.9	4.3	24.6	21.2	5.0
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	19.4	*	22.2	23.0	*	44.4	26.8	*
Congestive Heart Failure	9	44.4	17.4	*	44.4	26.1	*	55.6	33.3	*
Pneumonia/Influenza	7	14.3	11.5	*	14.3	15.8	*	28.6	19.5	*
Chronic Obstructive Pulmonary Disease	5	20.0	10.1	*	40.0	18.3	*	40.0	24.8	*
Transient Cerebral Ischemia	2	0.0	4.5	*	0.0	10.1	*	50.0	16.5	*
Stroke	6	0.0	21.0	*	0.0	27.1	*	0.0	31.9	*
Hip Fracture	0									
Sepsis	1	0.0	30.8	*	0.0	36.4	*	0.0	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	7.6	*	0.0	12.8	*	0.0	15.7	*
Hysterectomy	1	0.0	2.6	*	0.0	5.9	*	0.0	9.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST FRANCIS HOSPITAL

333 Laidley St
Charleston, WV 25301

Medicare Provider Number: 510031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,708	7.7	8.9	0.9	13.9	14.3	1.0	17.4	18.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	40	20.0	24.0	*	20.0	27.1	*	22.5	30.5	*
Congestive Heart Failure	85	15.3	13.7	5.2	24.7	21.3	8.1	32.9	27.7	8.1
Pneumonia/Influenza	52	3.8	14.4	7.9	15.4	20.0	6.8	19.2	24.7	6.8
Chronic Obstructive Pulmonary Disease	37	2.7	5.4	*	18.9	10.6	*	27.0	15.6	*
Transient Cerebral Ischemia	23	4.3	1.4	*	4.3	3.1	*	4.3	5.0	*
Stroke	55	10.9	16.8	6.9	14.5	23.4	9.5	18.2	27.7	9.9
Hip Fracture	13	7.7	4.9	*	7.7	8.9	*	7.7	11.8	*
Sepsis	21	19.0	25.0	*	23.8	32.5	*	23.8	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	5.9	*	13.3	12.2	*	26.7	17.7	*
Carotid Endarterectomy	15	0.0	1.8	*	0.0	3.6	*	6.7	5.3	*
Hip Replacement/Reconstruction	12	0.0	1.4	*	0.0	2.8	*	0.0	4.0	*
Open Reduction of Hip Fracture	5	0.0	6.3	*	0.0	11.1	*	0.0	14.2	*
Prostatectomy	62	0.0	0.8	1.5	1.6	1.8	1.7	3.2	3.0	2.2
Cholecystectomy	60	5.0	3.7	2.7	5.0	6.2	3.3	6.7	7.9	3.8
Hysterectomy	20	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	206
Occupancy Rate	52
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	120
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	97
Licensed Practical Nurses	29

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST FRANCIS HOSPITAL

Medicare Provider Number: 510031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,709	6.8	7.9	1.3	11.8	12.4	1.4	14.9	15.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	51	19.6	24.2	7.3	21.6	27.6	8.5	23.5	30.9	9.4
Congestive Heart Failure	72	13.9	16.6	5.0	26.4	25.1	5.7	33.3	32.0	5.6
Pneumonia/Influenza	60	18.3	16.8	5.8	30.0	23.1	8.9	31.7	28.0	8.5
Chronic Obstructive Pulmonary Disease	34	2.9	5.0	*	2.9	9.2	*	5.9	12.9	*
Transient Cerebral Ischemia	23	0.0	1.4	*	0.0	3.0	*	0.0	4.8	*
Stroke	35	20.0	15.4	*	22.9	22.5	*	25.7	27.1	*
Hip Fracture	13	0.0	7.6	*	0.0	14.3	*	0.0	19.0	*
Sepsis	11	9.1	23.9	*	36.4	29.9	*	45.5	35.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	10.3	*	0.0	14.8	*	0.0	18.2	*
Carotid Endarterectomy	10	0.0	1.2	*	0.0	2.4	*	10.0	3.6	*
Hip Replacement/Reconstruction	2	0.0	9.1	*	0.0	16.7	*	0.0	21.3	*
Open Reduction of Hip Fracture	10	0.0	6.6	*	0.0	13.3	*	0.0	18.2	*
Prostatectomy	69	0.0	0.7	1.5	1.4	1.6	1.9	2.9	2.8	2.1
Cholecystectomy	61	6.6	1.7	3.3	8.2	3.1	3.8	9.8	4.2	4.3
Hysterectomy	18	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,631	7.2	7.5	1.0	11.1	12.1	1.3	14.8	15.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	28	28.6	28.1	*	32.1	31.8	*	35.7	35.2	*
Congestive Heart Failure	72	13.9	15.1	4.5	22.2	23.2	5.2	33.3	30.0	6.1
Pneumonia/Influenza	77	15.6	16.5	4.3	16.9	22.7	6.8	22.1	27.8	8.2
Chronic Obstructive Pulmonary Disease	52	3.8	8.7	5.2	5.8	14.1	6.6	11.5	18.6	7.4
Transient Cerebral Ischemia	22	0.0	1.7	*	0.0	3.4	*	4.5	5.2	*
Stroke	28	21.4	17.0	*	32.1	24.6	*	35.7	29.6	*
Hip Fracture	15	0.0	6.3	*	13.3	12.1	*	20.0	16.3	*
Sepsis	10	30.0	29.4	*	30.0	36.6	*	30.0	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	2.6	*	7.1	5.4	*	7.1	8.0	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	9	0.0	4.5	*	0.0	9.2	*	11.1	12.7	*
Open Reduction of Hip Fracture	4	0.0	4.3	*	0.0	8.3	*	0.0	11.2	*
Prostatectomy	72	0.0	0.9	1.3	0.0	2.0	2.4	1.4	3.3	2.8
Cholecystectomy	49	4.1	2.6	*	4.1	4.9	*	8.2	6.7	*
Hysterectomy	16	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPH HOSPITAL

Amalia Drive
Buckhannon, WV 26201

Medicare Provider Number: 510053

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	550	10.5	8.9	1.4	14.0	13.4	1.5	16.9	17.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	22	27.3	29.2	*	36.4	33.6	*	36.4	37.3	*
Congestive Heart Failure	23	8.7	17.2	*	13.0	25.8	*	26.1	32.4	*
Pneumonia/Influenza	31	25.8	20.2	*	29.0	27.5	*	29.0	32.9	*
Chronic Obstructive Pulmonary Disease	7	14.3	4.4	*	14.3	9.0	*	14.3	13.5	*
Transient Cerebral Ischemia	12	0.0	1.9	*	0.0	4.1	*	0.0	6.5	*
Stroke	15	26.7	19.4	*	33.3	25.7	*	40.0	30.3	*
Hip Fracture	21	9.5	6.4	*	14.3	11.4	*	14.3	14.9	*
Sepsis	7	42.9	25.8	*	42.9	35.6	*	57.1	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	2.9	*	0.0	6.3	*	0.0	9.6	*
Open Reduction of Hip Fracture	12	8.3	5.8	*	8.3	11.0	*	8.3	14.7	*
Prostatectomy	26	0.0	0.5	*	0.0	1.3	*	0.0	2.2	*
Cholecystectomy	7	0.0	0.6	*	0.0	1.0	*	0.0	1.3	*
Hysterectomy	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	95
Occupancy Rate	50
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	40
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPH HOSPITAL

Medicare Provider Number: 510053

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	546	9.9	9.1	1.3	13.0	13.1	1.7	17.0	16.4	2.1
CONDITIONS:										
Acute Myocardial Infarction	22	9.1	28.2	*	13.6	31.9	*	13.6	35.7	*
Congestive Heart Failure	19	15.8	16.9	*	21.1	25.5	*	26.3	32.6	*
Pneumonia/Influenza	28	21.4	18.2	*	25.0	24.3	*	25.0	29.2	*
Chronic Obstructive Pulmonary Disease	10	0.0	9.4	*	0.0	17.0	*	20.0	23.0	*
Transient Cerebral Ischemia	10	0.0	2.3	*	0.0	5.1	*	20.0	8.0	*
Stroke	16	31.3	26.8	*	31.3	34.6	*	31.3	39.9	*
Hip Fracture	25	8.0	6.7	*	12.0	12.7	*	20.0	16.9	*
Sepsis	5	60.0	27.7	*	60.0	38.5	*	80.0	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.1	*	0.0	5.8	*	0.0	8.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	4.7	*	0.0	9.2	*	22.2	12.1	*
Open Reduction of Hip Fracture	8	0.0	5.2	*	0.0	10.4	*	0.0	14.0	*
Prostatectomy	13	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	9	0.0	1.4	*	0.0	2.8	*	0.0	3.9	*
Hysterectomy	5	0.0	0.5	*	0.0	0.8	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	558	11.6	9.4	1.6	16.8	14.0	1.8	20.1	17.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	26	23.1	26.7	*	23.1	30.4	*	23.1	34.1	*
Congestive Heart Failure	32	21.9	18.5	*	34.4	28.0	*	40.6	35.5	*
Pneumonia/Influenza	18	22.2	17.3	*	55.6	23.4	*	72.2	28.4	*
Chronic Obstructive Pulmonary Disease	12	25.0	11.8	*	33.3	20.4	*	33.3	26.8	*
Transient Cerebral Ischemia	14	7.1	2.4	*	28.6	5.3	*	28.6	8.7	*
Stroke	24	25.0	25.8	*	29.2	32.5	*	50.0	37.3	*
Hip Fracture	13	0.0	6.3	*	0.0	11.4	*	0.0	14.7	*
Sepsis	3	66.7	27.6	*	66.7	34.5	*	66.7	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	4.1	*	33.3	9.2	*	33.3	14.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	0.9	*	0.0	2.0	*	0.0	3.4	*
Open Reduction of Hip Fracture	7	0.0	5.1	*	0.0	9.8	*	0.0	12.9	*
Prostatectomy	12	0.0	0.7	*	0.0	1.9	*	0.0	3.5	*
Cholecystectomy	8	0.0	1.7	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	3	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPHS HOSPITAL

19th St Murdock Ave
Parkersburg, WV 26101

Medicare Provider Number: 510033

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,272	7.4	8.1	0.7	11.7	12.3	1.1	14.3	15.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	78	23.1	29.2	7.3	29.5	32.3	6.7	32.1	35.7	6.8
Congestive Heart Failure	92	15.2	16.0	4.0	27.2	25.0	5.0	33.7	32.3	7.4
Pneumonia/Influenza	134	11.9	17.0	5.4	15.7	23.1	6.3	20.1	27.8	6.5
Chronic Obstructive Pulmonary Disease	35	0.0	7.0	*	0.0	12.6	*	0.0	17.5	*
Transient Cerebral Ischemia	39	0.0	2.0	*	2.6	4.5	*	5.1	7.3	*
Stroke	72	19.4	21.0	6.4	23.6	26.8	7.6	29.2	31.2	6.7
Hip Fracture	61	9.8	6.3	5.5	13.1	11.4	4.6	14.8	14.9	4.9
Sepsis	15	33.3	26.7	*	33.3	35.4	*	33.3	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	9.6	*	28.6	16.2	*	28.6	21.7	*
Carotid Endarterectomy	7	0.0	1.2	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	60	5.0	2.0	3.4	6.7	4.0	4.0	6.7	5.7	4.3
Open Reduction of Hip Fracture	8	12.5	7.0	*	12.5	12.5	*	12.5	16.0	*
Prostatectomy	75	2.7	1.7	2.2	5.3	4.1	3.4	6.7	6.6	3.6
Cholecystectomy	47	4.3	3.6	*	6.4	6.0	*	6.4	7.5	*
Hysterectomy	16	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	293
Occupancy Rate	69
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	96
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	204
Licensed Practical Nurses	92

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPHS HOSPITAL

Medicare Provider Number: 510033

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,290	8.6	8.6	0.9	12.4	12.9	0.9	15.1	16.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	77	32.5	29.2	5.6	35.1	32.0	6.1	37.7	35.4	5.8
Congestive Heart Failure	120	20.8	16.1	5.6	25.8	24.5	7.5	36.7	31.4	7.5
Pneumonia/Influenza	111	12.6	16.6	5.6	19.8	22.7	7.5	22.5	27.5	7.7
Chronic Obstructive Pulmonary Disease	34	8.8	9.2	*	20.6	16.1	*	23.5	21.6	*
Transient Cerebral Ischemia	41	2.4	2.0	*	4.9	4.3	*	7.3	6.7	*
Stroke	75	25.3	23.5	5.3	26.7	30.4	5.6	28.0	35.4	6.9
Hip Fracture	60	3.3	6.4	3.7	6.7	11.9	5.7	8.3	15.4	7.3
Sepsis	14	21.4	30.3	*	21.4	37.9	*	28.6	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	6.1	*	0.0	11.6	*	0.0	16.0	*
Carotid Endarterectomy	7	0.0	1.5	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	62	0.0	2.5	*	0.0	4.8	*	0.0	6.4	*
Open Reduction of Hip Fracture	27	3.7	6.2	*	7.4	12.2	*	11.1	16.2	*
Prostatectomy	74	0.0	0.9	1.6	2.7	2.1	1.9	4.1	3.5	3.0
Cholecystectomy	35	2.9	4.3	*	8.6	7.4	*	11.4	9.6	*
Hysterectomy	10	0.0	0.4	*	0.0	0.8	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,357	8.3	8.2	0.7	12.0	12.5	0.9	14.5	16.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	91	23.1	27.0	8.1	25.3	30.3	7.2	29.7	33.8	6.0
Congestive Heart Failure	105	18.1	16.8	3.8	26.7	25.6	4.3	35.2	32.6	5.8
Pneumonia/Influenza	95	20.0	16.2	4.2	23.2	21.9	4.3	24.2	26.5	4.7
Chronic Obstructive Pulmonary Disease	45	4.4	9.7	*	11.1	16.7	*	11.1	22.3	*
Transient Cerebral Ischemia	46	2.2	2.4	*	4.3	5.5	*	6.5	8.8	*
Stroke	85	20.0	20.6	5.4	23.5	27.6	7.0	28.2	32.2	7.8
Hip Fracture	61	6.6	5.6	3.3	9.8	10.3	3.9	14.8	13.6	4.7
Sepsis	5	0.0	27.2	*	0.0	35.2	*	0.0	41.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	3.4	*	14.3	7.5	*	14.3	11.7	*
Carotid Endarterectomy	12	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	52	3.8	3.1	2.7	7.7	6.0	3.6	11.5	8.0	6.1
Open Reduction of Hip Fracture	19	0.0	4.9	*	5.3	9.3	*	10.5	12.4	*
Prostatectomy	86	1.2	1.4	2.4	5.8	3.4	3.0	7.0	5.7	3.2
Cholecystectomy	42	4.8	3.3	*	7.1	6.3	*	9.5	8.8	*
Hysterectomy	19	0.0	0.8	*	0.0	1.8	*	5.3	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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ST.
JOSEPH'S
HOSPITAL

Medicare Provider #51-0033

January 7, 1990

Ms. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

Thank you for the opportunity to comment on the mortality data. Below I have the comments for publication.

COMMENTS

St. Joseph's Hospital is a general acute care facility of 375 licensed beds serving primarily eight West Virginia and three Ohio counties in the Mid-Ohio Valley Region. Located in Parkersburg, West Virginia, the hospital serves a city that borders the Ohio river and is comprised of large chemical and industrial metal manufacturers. St. Joseph's was established in 1900 and is sponsored by the Sisters of St. Joseph's of Wheeling, West Virginia.

We appreciate the opportunity to review the data prior to the date of release to the public. The standard deviations of the predicted rates for St. Joseph's Hospital have been reviewed and are well within the expected ranges for each category. A correction was submitted for hospital bed size.

Very truly yours,

Arthur A. Maher | lhc

Arthur A. Maher
President & Chief Executive Officer

Enclosures

19th Street and Murdoch Ave. Parkersburg, WV 26101 1-304-424-4111

VHA
Partner-VHA Mid-Atlantic
Affiliate of the Voluntary
Hospitals of America System.

ST MARYS HOSPITAL

2900 1st Ave
Huntington, WV 25701

Medicare Provider Number: 510007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,604	8.6	8.3	0.7	13.6	12.7	1.0	16.9	16.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	147	26.5	28.2	4.0	29.9	31.6	4.1	32.7	35.3	4.7
Congestive Heart Failure	183	15.8	15.0	2.7	29.0	23.0	4.2	35.5	29.7	4.3
Pneumonia/Influenza	154	16.2	17.1	3.2	21.4	23.6	4.5	24.7	28.5	5.8
Chronic Obstructive Pulmonary Disease	29	10.3	5.4	*	13.8	11.0	*	17.2	16.3	*
Transient Cerebral Ischemia	59	0.0	1.7	2.2	1.7	3.7	2.9	3.4	5.8	3.8
Stroke	116	21.6	21.3	3.9	26.7	27.6	5.1	30.2	32.0	5.2
Hip Fracture	71	8.5	6.8	3.5	9.9	11.9	4.2	16.9	15.3	4.5
Sepsis	32	15.6	26.2	*	34.4	34.0	*	37.5	39.7	*
PROCEDURES:										
Angioplasty	33	3.0	4.3	*	3.0	5.4	*	6.1	6.5	*
Coronary Artery Bypass Graft	96	5.2	5.1	2.7	7.3	7.2	2.6	8.3	8.5	3.1
Initial Pacemaker Insertion	15	6.7	2.6	*	6.7	5.1	*	13.3	7.8	*
Carotid Endarterectomy	47	0.0	1.2	*	4.3	2.2	*	4.3	3.1	*
Hip Replacement/Reconstruction	55	3.6	3.1	3.4	3.6	6.0	4.7	3.6	8.2	5.6
Open Reduction of Hip Fracture	36	0.0	4.9	*	0.0	9.2	*	11.1	12.2	*
Prostatectomy	115	1.7	1.1	1.4	3.5	2.8	2.1	7.0	4.7	2.8
Cholecystectomy	73	2.7	2.0	2.2	5.5	3.7	4.3	8.2	4.9	5.8
Hysterectomy	16	0.0	1.3	*	6.3	2.7	*	6.3	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	440
Occupancy Rate	67
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	192
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	25
Registered Nurses	387
Licensed Practical Nurses	89

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST MARYS HOSPITAL

Medicare Provider Number: 510007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,587	8.4	8.2	0.5	13.2	12.5	0.6	16.8	15.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	149	24.8	27.3	4.7	30.2	30.5	4.6	32.2	34.2	4.2
Congestive Heart Failure	139	10.1	14.8	5.7	19.4	22.3	4.5	27.3	28.8	4.1
Pneumonia/Influenza	138	16.7	16.8	3.4	26.1	22.9	4.6	31.2	27.7	5.6
Chronic Obstructive Pulmonary Disease	37	10.8	6.6	*	13.5	12.1	*	21.6	17.1	*
Transient Cerebral Ischemia	69	0.0	1.8	2.1	0.0	3.8	3.4	1.4	5.9	3.9
Stroke	138	20.3	23.1	4.7	26.1	29.9	6.0	31.2	34.7	5.0
Hip Fracture	84	9.5	6.5	4.1	11.9	11.8	3.9	15.5	15.2	4.4
Sepsis	20	25.0	30.4	*	30.0	38.1	*	40.0	44.1	*
PROCEDURES:										
Angioplasty	25	4.0	3.3	*	4.0	4.0	*	8.0	5.0	*
Coronary Artery Bypass Graft	64	4.7	5.0	3.3	6.3	6.7	3.3	6.3	7.9	3.6
Initial Pacemaker Insertion	23	8.7	3.6	*	8.7	6.6	*	8.7	9.1	*
Carotid Endarterectomy	50	0.0	1.3	*	0.0	2.5	*	2.0	3.7	*
Hip Replacement/Reconstruction	58	3.4	2.9	2.3	6.9	5.5	3.3	6.9	7.3	4.7
Open Reduction of Hip Fracture	43	7.0	5.6	*	7.0	10.7	*	11.6	14.1	*
Prostatectomy	126	1.6	0.8	1.3	4.0	2.0	2.2	6.3	3.4	3.0
Cholecystectomy	95	3.2	2.6	1.7	3.2	4.5	2.3	4.2	5.9	2.9
Hysterectomy	27	0.0	1.1	*	3.7	2.4	*	14.8	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,203	10.7	9.1	0.7	15.4	13.7	0.8	18.9	17.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	138	39.9	30.8	6.6	42.0	34.5	7.3	45.7	38.4	7.6
Congestive Heart Failure	157	18.5	17.8	4.2	29.3	26.5	4.4	36.3	33.5	6.5
Pneumonia/Influenza	117	17.1	18.2	3.7	27.4	24.4	4.4	30.8	29.4	4.3
Chronic Obstructive Pulmonary Disease	37	16.2	7.2	*	21.6	13.0	*	24.3	17.7	*
Transient Cerebral Ischemia	71	0.0	1.6	2.0	0.0	3.4	3.2	1.4	5.2	3.6
Stroke	121	21.5	21.4	4.0	28.1	28.0	4.2	33.9	32.6	4.9
Hip Fracture	69	4.3	6.6	4.1	11.6	11.8	4.5	14.5	15.4	4.5
Sepsis	18	22.2	24.5	*	27.8	31.7	*	27.8	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	55	0.0	5.2	6.2	0.0	6.9	8.4	3.6	7.9	7.0
Initial Pacemaker Insertion	27	0.0	2.6	*	0.0	5.3	*	0.0	7.9	*
Carotid Endarterectomy	49	6.1	1.6	*	6.1	3.2	*	8.2	4.6	*
Hip Replacement/Reconstruction	44	2.3	3.5	*	2.3	6.8	*	2.3	9.3	*
Open Reduction of Hip Fracture	44	4.5	5.4	*	13.6	10.3	*	15.9	13.6	*
Prostatectomy	124	2.4	1.1	1.5	4.0	2.7	1.8	4.8	4.5	2.0
Cholecystectomy	76	1.3	1.8	1.7	3.9	3.2	2.2	5.3	4.1	2.8
Hysterectomy	25	0.0	2.0	*	4.0	4.1	*	8.0	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

STONEWALL JACKSON MEMORIAL HOSPITAL

Rt 4-Box 10
Weston, WV 26452

Medicare Provider Number: 510038

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	683	9.2	9.8	1.3	13.9	14.7	1.6	17.1	18.5	2.1
CONDITIONS:										
Acute Myocardial Infarction	23	21.7	28.1	*	26.1	31.2	*	26.1	34.5	*
Congestive Heart Failure	52	17.3	16.5	5.2	25.0	25.7	6.7	30.8	33.0	10.0
Pneumonia/Influenza	64	12.5	16.5	5.9	15.6	22.5	8.5	18.8	27.2	10.6
Chronic Obstructive Pulmonary Disease	15	0.0	4.4	*	6.7	8.4	*	6.7	12.1	*
Transient Cerebral Ischemia	7	0.0	2.2	*	0.0	4.9	*	0.0	7.8	*
Stroke	29	17.2	25.3	*	41.4	32.0	*	44.8	36.7	*
Hip Fracture	34	5.9	7.3	*	11.8	12.9	*	17.6	16.5	*
Sepsis	4	25.0	24.5	*	50.0	31.9	*	50.0	37.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.3	*	0.0	5.9	*	0.0	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	4.0	*	9.1	7.5	*	18.2	10.1	*
Open Reduction of Hip Fracture	18	0.0	6.3	*	11.1	11.7	*	11.1	15.4	*
Prostatectomy	27	0.0	1.0	*	0.0	2.5	*	3.7	4.3	*
Cholecystectomy	15	0.0	2.2	*	0.0	3.8	*	0.0	4.8	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	64
Occupancy Rate	42
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	29
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	0
Registered Nurses	46
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

STONEWALL JACKSON MEMORIAL HOSPITAL

Medicare Provider Number: 510038

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	692	7.9	10.2	2.0	12.4	15.0	2.3	16.0	19.0	2.6
CONDITIONS:										
Acute Myocardial Infarction	33	24.2	31.3	*	30.3	35.0	*	30.3	38.8	*
Congestive Heart Failure	51	7.8	15.2	6.7	15.7	22.9	7.8	17.6	29.4	10.7
Pneumonia/Influenza	73	8.2	16.2	7.0	9.6	21.6	7.2	16.4	26.1	6.9
Chronic Obstructive Pulmonary Disease	26	0.0	3.9	*	7.7	7.4	*	7.7	10.5	*
Transient Cerebral Ischemia	12	0.0	2.8	*	8.3	6.4	*	16.7	10.5	*
Stroke	27	18.5	17.5	*	33.3	22.9	*	40.7	27.1	*
Hip Fracture	33	9.1	6.9	*	12.1	12.5	*	12.1	16.3	*
Sepsis	6	33.3	32.2	*	50.0	44.3	*	50.0	54.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	4.2	*	0.0	6.4	*	0.0	8.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	5.6	5.2	*	5.6	9.9	*	5.6	13.1	*
Open Reduction of Hip Fracture	17	11.8	6.3	*	17.6	12.1	*	17.6	16.1	*
Prostatectomy	29	0.0	1.1	*	3.4	2.5	*	3.4	4.0	*
Cholecystectomy	8	0.0	2.5	*	0.0	4.7	*	0.0	6.7	*
Hysterectomy	2	0.0	1.8	*	0.0	4.1	*	0.0	6.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	624	9.5	9.7	1.7	13.6	14.2	1.5	17.5	18.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	34	29.4	23.5	*	32.4	27.1	*	32.4	30.5	*
Congestive Heart Failure	60	11.7	19.1	6.9	23.3	27.7	6.4	35.0	34.9	6.3
Pneumonia/Influenza	49	6.1	16.6	*	12.2	22.4	*	16.3	27.1	*
Chronic Obstructive Pulmonary Disease	10	20.0	5.9	*	30.0	12.5	*	40.0	18.9	*
Transient Cerebral Ischemia	4	0.0	1.6	*	0.0	3.2	*	0.0	4.9	*
Stroke	20	15.0	21.1	*	15.0	28.0	*	35.0	33.0	*
Hip Fracture	29	10.3	5.4	*	20.7	10.0	*	20.7	13.3	*
Sepsis	3	33.3	10.8	*	33.3	15.2	*	33.3	19.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	8.5	*	0.0	14.1	*	0.0	17.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	3.9	*	0.0	7.2	*	0.0	9.8	*
Open Reduction of Hip Fracture	24	12.5	4.6	*	25.0	9.1	*	25.0	12.4	*
Prostatectomy	36	2.8	1.3	*	2.8	2.9	*	5.6	4.8	*
Cholecystectomy	2	0.0	2.0	*	0.0	3.6	*	0.0	4.6	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SUMMERS COUNTY HOSPITAL

P O Box 940 Terrace St
Hinton, WV 25951

Medicare Provider Number: 510080

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	425	11.1	11.2	1.5	16.9	16.1	2.0	20.0	19.9	2.0
CONDITIONS:										
Acute Myocardial Infarction	18	38.9	30.3	*	44.4	35.0	*	44.4	38.6	*
Congestive Heart Failure	23	8.7	13.4	*	13.0	20.9	*	26.1	27.3	*
Pneumonia/Influenza	45	15.6	19.6	*	31.1	26.7	*	33.3	32.1	*
Chronic Obstructive Pulmonary Disease	16	6.3	8.6	*	18.8	14.5	*	18.8	19.9	*
Transient Cerebral Ischemia	5	0.0	2.0	*	0.0	4.5	*	0.0	7.3	*
Stroke	11	36.4	28.0	*	54.5	34.8	*	63.6	39.4	*
Hip Fracture	0									
Sepsis	8	0.0	31.4	*	0.0	37.6	*	0.0	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	28.2	*	100.0	48.4	*	100.0	57.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	13	7.7	1.3	*	15.4	3.5	*	23.1	6.2	*
Cholecystectomy	5	0.0	4.2	*	0.0	8.6	*	20.0	11.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	80
Occupancy Rate	69
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	17
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SUMMERS COUNTY HOSPITAL

Medicare Provider Number: 510080

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	429	8.9	8.8	1.5	12.4	13.0	1.7	14.9	16.5	2.6
CONDITIONS:										
Acute Myocardial Infarction	15	20.0	27.0	*	26.7	30.0	*	33.3	33.4	*
Congestive Heart Failure	23	26.1	18.9	*	34.8	28.8	*	34.8	36.7	*
Pneumonia/Influenza	54	14.8	15.0	5.1	18.5	20.3	5.7	20.4	24.6	7.9
Chronic Obstructive Pulmonary Disease	15	6.7	9.3	*	20.0	15.0	*	26.7	20.7	*
Transient Cerebral Ischemia	5	0.0	2.1	*	0.0	4.3	*	0.0	6.6	*
Stroke	6	33.3	21.0	*	33.3	26.2	*	33.3	30.5	*
Hip Fracture	6	50.0	8.4	*	50.0	13.9	*	50.0	17.5	*
Sepsis	5	0.0	32.8	*	40.0	45.1	*	60.0	53.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	100.0	17.1	*	100.0	31.7	*	100.0	40.5	*
Open Reduction of Hip Fracture	2	50.0	5.9	*	50.0	9.6	*	50.0	12.1	*
Prostatectomy	1	0.0	1.1	*	0.0	2.6	*	0.0	4.0	*
Cholecystectomy	3	0.0	1.6	*	0.0	2.9	*	0.0	3.8	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	491	9.8	9.5	1.5	14.9	13.8	1.8	17.7	17.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	13	30.8	23.9	*	38.5	26.6	*	38.5	29.8	*
Congestive Heart Failure	26	11.5	15.5	*	23.1	23.0	*	30.8	29.4	*
Pneumonia/Influenza	47	25.5	19.6	*	27.7	26.2	*	29.8	31.2	*
Chronic Obstructive Pulmonary Disease	14	0.0	11.0	*	0.0	18.3	*	14.3	23.6	*
Transient Cerebral Ischemia	1	0.0	1.0	*	0.0	2.1	*	0.0	3.2	*
Stroke	20	30.0	20.3	*	45.0	26.3	*	50.0	30.9	*
Hip Fracture	11	9.1	6.8	*	9.1	12.2	*	9.1	15.7	*
Sepsis	11	36.4	25.3	*	54.5	32.7	*	54.5	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	8.0	*	0.0	13.8	*	0.0	17.0	*
Open Reduction of Hip Fracture	6	0.0	4.9	*	0.0	9.5	*	0.0	12.7	*
Prostatectomy	1	0.0	0.6	*	0.0	1.1	*	0.0	1.8	*
Cholecystectomy	1	0.0	0.8	*	0.0	1.5	*	0.0	2.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SUMMERVILLE MEMORIAL HOSPITAL

P O Box 506
Summersville, WV 26651

Medicare Provider Number: 510082

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	358	9.8	9.3	1.6	14.5	13.7	2.0	16.5	17.3	2.6
CONDITIONS:										
Acute Myocardial Infarction	15	46.7	29.1	*	53.3	33.6	*	53.3	37.8	*
Congestive Heart Failure	22	4.5	12.1	*	22.7	18.4	*	31.8	24.1	*
Pneumonia/Influenza	28	10.7	16.1	*	14.3	22.1	*	17.9	27.0	*
Chronic Obstructive Pulmonary Disease	13	0.0	6.4	*	7.7	11.4	*	7.7	16.1	*
Transient Cerebral Ischemia	9	0.0	1.9	*	11.1	4.4	*	11.1	7.2	*
Stroke	16	18.8	22.2	*	31.3	28.9	*	37.5	33.6	*
Hip Fracture	4	0.0	4.8	*	0.0	8.1	*	0.0	10.5	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	6.1	*	0.0	10.1	*	0.0	12.4	*
Prostatectomy	0									
Cholecystectomy	7	0.0	2.2	*	0.0	3.7	*	14.3	4.7	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	92
Occupancy Rate	76
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	16
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	30
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SUMMERVILLE MEMORIAL HOSPITAL

Medicare Provider Number: 510082

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	273	12.5	9.5	2.8	17.9	14.4	2.9	20.5	18.3	3.4
CONDITIONS:										
Acute Myocardial Infarction	12	41.7	30.2	*	50.0	34.4	*	50.0	38.5	*
Congestive Heart Failure	15	0.0	14.4	*	13.3	22.0	*	33.3	28.5	*
Pneumonia/Influenza	18	16.7	13.4	*	27.8	18.8	*	33.3	23.2	*
Chronic Obstructive Pulmonary Disease	9	22.2	6.9	*	22.2	11.5	*	22.2	15.8	*
Transient Cerebral Ischemia	0									
Stroke	14	14.3	16.1	*	14.3	22.0	*	14.3	26.6	*
Hip Fracture	0									
Sepsis	5	20.0	29.4	*	20.0	40.3	*	40.0	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	5	0.0	0.7	*	0.0	1.3	*	0.0	1.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	295	11.5	9.8	2.4	15.9	15.1	2.6	21.0	19.4	2.8
CONDITIONS:										
Acute Myocardial Infarction	16	31.3	21.5	*	31.3	24.6	*	31.3	28.2	*
Congestive Heart Failure	13	0.0	19.8	*	38.5	29.4	*	46.2	36.0	*
Pneumonia/Influenza	24	12.5	14.1	*	16.7	19.3	*	16.7	23.7	*
Chronic Obstructive Pulmonary Disease	11	0.0	6.4	*	0.0	11.8	*	36.4	16.3	*
Transient Cerebral Ischemia	2	0.0	4.3	*	0.0	10.8	*	50.0	18.1	*
Stroke	17	35.3	21.4	*	35.3	28.0	*	41.2	32.8	*
Hip Fracture	0									
Sepsis	1	0.0	16.2	*	0.0	21.6	*	0.0	26.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	0.7	*	0.0	1.2	*	0.0	1.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE EYE & EAR CLINIC OF CHARLESTON

1306 Kanawha Bl E
Charleston, WV 25301

Medicare Provider Number: 510059

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	144	0.0	2.1	2.1	0.0	4.2	3.6	1.4	6.1	3.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	1	0.0	8.4	*	0.0	14.2	*	0.0	19.1	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	26
Occupancy Rate	8
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	8
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	16
Licensed Practical Nurses	1

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

THE EYE & EAR CLINIC OF CHARLESTON

Medicare Provider Number: 510059

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	170	1.8	1.5	1.4	2.4	3.0	1.6	4.1	4.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	187	0.0	1.0	1.1	1.1	2.1	1.4	1.6	3.2	2.3
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

UNITED HOSPITAL CENTER

P O Box 1605
Clarksburg, WV 26301

Medicare Provider Number: 510006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	3,191	9.2	8.4	0.6	13.9	12.8	0.7	17.3	16.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	104	33.7	26.5	7.2	38.5	30.0	7.7	41.3	33.5	8.1
Congestive Heart Failure	149	14.8	15.5	3.1	26.2	23.7	4.1	34.9	30.6	5.4
Pneumonia/Influenza	147	14.3	17.4	4.7	21.8	23.8	4.1	28.6	28.6	3.9
Chronic Obstructive Pulmonary Disease	31	3.2	3.5	*	6.5	7.1	*	6.5	10.5	*
Transient Cerebral Ischemia	77	2.6	1.8	3.0	7.8	4.1	3.8	9.1	6.5	4.7
Stroke	122	23.0	21.4	4.0	25.4	28.2	4.3	26.2	32.8	4.7
Hip Fracture	79	6.3	7.7	3.8	8.9	13.7	7.6	12.7	17.6	8.8
Sepsis	30	40.0	27.8	*	50.0	36.2	*	50.0	42.2	*
PROCEDURES:										
Angioplasty	1	0.0	2.3	*	0.0	3.2	*	0.0	4.0	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	35	2.9	4.0	*	5.7	7.2	*	11.4	10.3	*
Carotid Endarterectomy	49	0.0	1.5	*	2.0	2.7	*	2.0	4.0	*
Hip Replacement/Reconstruction	41	4.9	3.9	*	4.9	7.0	*	4.9	9.2	*
Open Reduction of Hip Fracture	38	5.3	7.0	*	7.9	13.2	*	13.2	17.3	*
Prostatectomy	127	1.6	0.7	1.1	1.6	1.6	1.1	2.4	2.8	1.6
Cholecystectomy	58	0.0	2.4	2.6	0.0	4.0	3.6	1.7	5.0	3.6
Hysterectomy	29	3.4	0.3	*	3.4	0.6	*	3.4	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	287
Occupancy Rate	62
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	85
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	19
Registered Nurses	208
Licensed Practical Nurses	81

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

UNITED HOSPITAL CENTER

Medicare Provider Number: 510006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,195	9.8	9.6	0.9	14.3	14.2	0.8	18.3	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	116	37.1	29.1	7.2	38.8	32.2	6.7	41.4	35.6	6.1
Congestive Heart Failure	142	20.4	17.7	3.7	30.3	26.0	4.5	37.3	33.0	4.5
Pneumonia/Influenza	133	15.0	18.5	5.4	21.8	24.9	7.0	25.6	29.7	6.9
Chronic Obstructive Pulmonary Disease	34	2.9	8.9	*	14.7	14.0	*	17.6	18.1	*
Transient Cerebral Ischemia	63	0.0	2.0	3.2	3.2	4.3	4.1	9.5	6.7	5.1
Stroke	124	29.0	23.4	4.9	36.3	30.1	5.0	41.1	34.9	5.2
Hip Fracture	90	4.4	6.8	2.9	6.7	12.0	4.7	7.8	15.2	5.7
Sepsis	34	23.5	26.7	*	32.4	35.2	*	38.2	40.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	33	9.1	6.2	*	15.2	10.9	*	21.2	15.0	*
Carotid Endarterectomy	34	2.9	1.7	*	8.8	3.4	*	14.7	5.1	*
Hip Replacement/Reconstruction	41	2.4	4.2	*	2.4	7.9	*	2.4	10.4	*
Open Reduction of Hip Fracture	49	4.1	6.1	*	6.1	11.3	*	6.1	14.6	*
Prostatectomy	150	1.3	1.3	1.0	4.0	2.8	1.6	6.0	4.3	2.6
Cholecystectomy	77	0.0	2.4	2.8	0.0	3.9	4.2	1.3	4.9	3.9
Hysterectomy	29	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,219	9.9	9.5	0.7	14.6	14.3	0.7	17.5	18.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	115	45.2	30.8	6.8	50.4	33.9	6.6	51.3	37.1	6.5
Congestive Heart Failure	187	18.7	17.3	3.2	26.2	24.9	4.5	34.2	31.5	4.6
Pneumonia/Influenza	146	17.1	16.9	3.1	24.7	22.7	3.9	27.4	27.3	3.7
Chronic Obstructive Pulmonary Disease	49	2.0	7.2	*	8.2	12.4	*	16.3	16.9	*
Transient Cerebral Ischemia	74	1.4	2.2	2.1	1.4	4.8	3.3	2.7	7.4	4.5
Stroke	102	21.6	24.3	5.2	33.3	31.8	4.8	39.2	36.7	5.8
Hip Fracture	102	8.8	8.4	3.7	14.7	14.4	3.5	15.7	18.0	4.4
Sepsis	21	14.3	27.4	*	19.0	35.8	*	28.6	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	15.6	5.0	*	18.8	8.7	*	28.1	11.8	*
Carotid Endarterectomy	32	0.0	1.8	*	3.1	3.4	*	6.3	5.0	*
Hip Replacement/Reconstruction	46	0.0	5.1	*	8.7	9.6	*	10.9	12.7	*
Open Reduction of Hip Fracture	64	7.8	7.7	3.3	10.9	13.8	5.2	12.5	17.5	6.5
Prostatectomy	127	2.4	1.3	1.3	3.9	3.0	1.7	4.7	4.9	2.0
Cholecystectomy	81	4.9	3.8	2.4	6.2	6.3	2.9	7.4	7.9	3.0
Hysterectomy	21	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

United Hospital Center

Clarksburg, West Virginia

United Hospital Center, located in Clarksburg, West Virginia is strongly committed to the concept of Continuous Quality Improvement (CQI) in the delivery of healthcare. Our quality assurance programs cover virtually all aspects of hospital operations, and recently implemented CQI programs underscore our commitment to quality.

United Hospital Center uses mortality data routinely in its quality assurance program. While United Hospital Center supports the release of mortality data by HCFA, we feel that mortality data is but one piece of information in the overall quality assessment process.

In evaluating the 1989 Medicare mortality data, several comments can be made.

For most conditions and procedures reported for United Hospital Center, a standard deviation has likewise been reported. A standard deviation is a statistical indicator which describes the probability that a given piece of data's deviation from the norm has occurred purely by chance. When a reported percentage is within one standard deviation of the norm, many authorities say that it is virtually impossible to say that the percentage's deviation from the norm is not due simply to chance. In fact, in many cases of data reporting, one standard deviation is often used to develop a "range" of scores that are reported as "normal".

For those conditions and procedures in the 1989 reported data that allow for the development of a standard deviation, the mortality at United Hospital Center falls within one standard deviation of the predicted norm. We believe that in and of itself this is not a definitive statement about quality of care at United Hospital Center. However, it does seem to indicate that with respect to Medicare mortality, the rates at United Hospital Center are consistent with national averages.

In addition, it appears that for those conditions which occur in substantial numbers - i.e. acute M.I., congestive heart failure, pneumonia, etc., mortality rates at United Hospital Center are declining in line with the national average. In the instance of acute myocardial infarction, for example, 30-day mortality has declined from 45.2% to 33.7% in the three year period. 90-day and 180-day mortality has likewise declined from 50.4% to 38.5% and from 51.3 % to 41.3%, respectively. These are marked declines, and have occurred in the face of increased cardiac referrals to United Hospital Center, and an increase in the number of patients requiring coronary angiography.

United Hospital Center attributes these favorable changes to improvements in local technology, as well as an increase in the supply of both cardiologists and primary care physicians in the United Hospital Center catchment area.

These improvements in mortality have occurred in spite of demographic and epidemiologic factors that have had a negative impact upon the health of the local population. West Virginia has among the highest rates of cigarette smoking, obesity, and smokeless tobacco usage in the country, and United Hospital Center's service area population reflects these state-wide trends.

With respect to patient demographics, 15% of the service area population is over the age of 65. 41% are below the 200% mark of the national poverty level. 15% are recipients of Medicaid and other public welfare services. In addition, pulmonary disease has a high prevalence in the United Hospital Center catchment area, due to the influence of coal mining as the primary employment opportunity for most area males who worked through the 1930's-1950's. United Hospital Center's region also has an unusually high federally adjusted unemployment rate for the 1980's, ranging from 12-18%.

In summation, United Hospital Center is deeply committed to the strengthening of its quality assurance program and the continued implementation of the continuous quality improvement concept. United Hospital Center has a mission to supply quality healthcare to a population with an unusually high number of serious risk factors for disease. We feel that the overall pattern of improvement in all categories over the past 3 years is further evidence that United Hospital Center is succeeding in this important mission. We also feel that the morality data released by HCFA will aid our quality assurance process in enhancing programs to further improve our health care quality.

WEBSTER COUNTY MEMORIAL HOSPITAL

324 Miller Mtn Dr
Webster Springs, WV 26288

Medicare Provider Number: 510025

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	151	15.2	11.7	3.7	22.5	17.7	3.6	25.2	22.2	3.8
CONDITIONS:										
Acute Myocardial Infarction	9	44.4	25.9	*	55.6	29.6	*	55.6	33.4	*
Congestive Heart Failure	13	23.1	11.7	*	23.1	18.5	*	38.5	24.6	*
Pneumonia/Influenza	7	14.3	10.4	*	14.3	14.5	*	14.3	18.1	*
Chronic Obstructive Pulmonary Disease	7	0.0	7.2	*	0.0	13.4	*	0.0	19.0	*
Transient Cerebral Ischemia	1	0.0	2.2	*	0.0	6.1	*	0.0	11.1	*
Stroke	1	0.0	12.0	*	0.0	15.8	*	0.0	19.2	*
Hip Fracture	4	25.0	8.9	*	25.0	15.1	*	25.0	19.4	*
Sepsis	3	0.0	24.2	*	33.3	35.5	*	33.3	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	50.0	12.0	*	50.0	20.3	*	50.0	25.6	*
Open Reduction of Hip Fracture	2	0.0	4.7	*	0.0	8.7	*	0.0	11.9	*
Prostatectomy	0									
Cholecystectomy	4	0.0	1.1	*	0.0	1.9	*	0.0	2.5	*
Hysterectomy	1	0.0	1.2	*	0.0	3.0	*	0.0	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	35
Occupancy Rate	23
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	6
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	11
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WEBSTER COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 510025

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	223	11.2	9.0	2.8	14.8	13.7	2.6	18.8	17.7	2.7
CONDITIONS:										
Acute Myocardial Infarction	10	20.0	22.0	*	20.0	25.6	*	20.0	29.4	*
Congestive Heart Failure	11	9.1	12.8	*	9.1	20.1	*	18.2	26.4	*
Pneumonia/Influenza	10	10.0	14.2	*	10.0	19.5	*	10.0	23.7	*
Chronic Obstructive Pulmonary Disease	9	11.1	3.2	*	22.2	6.4	*	22.2	9.3	*
Transient Cerebral Ischemia	2	0.0	2.3	*	0.0	5.4	*	0.0	8.8	*
Stroke	3	33.3	13.5	*	33.3	19.1	*	33.3	23.3	*
Hip Fracture	5	20.0	7.3	*	20.0	13.1	*	20.0	17.2	*
Sepsis	2	50.0	37.5	*	50.0	43.0	*	50.0	49.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	7.1	*	0.0	12.8	*	0.0	16.7	*
Open Reduction of Hip Fracture	2	50.0	4.3	*	50.0	7.9	*	50.0	10.6	*
Prostatectomy	0									
Cholecystectomy	5	0.0	1.2	*	0.0	2.4	*	0.0	3.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	215	11.2	9.0	2.5	15.3	13.7	2.6	17.7	17.4	2.6
CONDITIONS:										
Acute Myocardial Infarction	4	50.0	20.1	*	50.0	23.4	*	50.0	27.0	*
Congestive Heart Failure	15	20.0	14.1	*	33.3	23.0	*	46.7	30.3	*
Pneumonia/Influenza	12	33.3	18.4	*	33.3	26.3	*	33.3	32.1	*
Chronic Obstructive Pulmonary Disease	9	0.0	8.3	*	22.2	13.8	*	22.2	18.6	*
Transient Cerebral Ischemia	3	0.0	1.2	*	0.0	2.5	*	0.0	3.9	*
Stroke	13	7.7	18.9	*	7.7	24.5	*	7.7	29.2	*
Hip Fracture	1	0.0	5.4	*	0.0	9.1	*	0.0	11.9	*
Sepsis	2	100.0	56.9	*	100.0	66.0	*	100.0	72.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	4.7	*	0.0	8.4	*	0.0	11.1	*
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WEIRTON MEDICAL CENTER

601 Colliers Way
Weirton, WV 26062

Medicare Provider Number: 510023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,920	6.4	7.9	0.8	10.7	12.2	0.9	13.6	15.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	51	31.4	30.3	6.5	35.3	33.6	7.4	35.3	37.0	8.1
Congestive Heart Failure	130	12.3	15.6	4.6	23.8	24.5	5.1	31.5	31.8	4.2
Pneumonia/Influenza	103	10.7	17.3	5.4	19.4	23.7	4.9	22.3	28.7	6.1
Chronic Obstructive Pulmonary Disease	70	8.6	7.6	4.6	11.4	13.2	4.3	18.6	18.1	4.6
Transient Cerebral Ischemia	55	0.0	1.9	2.9	5.5	4.4	3.0	7.3	7.1	3.5
Stroke	44	20.5	21.6	*	25.0	27.2	*	27.3	31.6	*
Hip Fracture	26	0.0	5.3	*	11.5	9.5	*	11.5	12.5	*
Sepsis	16	12.5	24.2	*	12.5	31.0	*	18.8	36.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.1	*	16.7	6.3	*	16.7	9.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	3.1	*	0.0	6.0	*	0.0	8.3	*
Open Reduction of Hip Fracture	15	0.0	4.6	*	13.3	8.7	*	13.3	11.7	*
Prostatectomy	48	6.3	1.0	*	6.3	2.4	*	8.3	4.0	*
Cholecystectomy	38	7.9	3.5	*	13.2	6.1	*	15.8	7.6	*
Hysterectomy	5	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	265
Occupancy Rate	55
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	71
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	143
Licensed Practical Nurses	2

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

WEIRTON MEDICAL CENTER

Medicare Provider Number: 510023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,861	6.9	8.0	0.8	10.5	12.3	1.0	13.8	15.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	59	30.5	28.6	7.0	33.9	32.8	6.6	37.3	37.0	6.4
Congestive Heart Failure	119	11.8	15.9	6.2	19.3	24.1	7.4	27.7	31.0	6.9
Pneumonia/Influenza	87	18.4	17.7	5.0	25.3	23.6	5.4	27.6	28.3	5.1
Chronic Obstructive Pulmonary Disease	75	4.0	7.0	4.3	9.3	12.7	6.3	13.3	17.8	6.2
Transient Cerebral Ischemia	63	1.6	2.2	3.2	6.3	5.1	3.7	7.9	8.1	3.6
Stroke	51	21.6	19.6	6.1	25.5	25.8	6.1	25.5	30.4	7.9
Hip Fracture	23	0.0	6.9	*	0.0	12.3	*	0.0	15.8	*
Sepsis	14	0.0	29.5	*	7.1	38.5	*	14.3	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	3.3	*	11.1	6.0	*	11.1	8.7	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	13	0.0	4.7	*	0.0	8.2	*	0.0	10.5	*
Open Reduction of Hip Fracture	13	0.0	6.1	*	0.0	11.6	*	0.0	15.4	*
Prostatectomy	43	2.3	1.1	*	4.7	2.7	*	4.7	4.6	*
Cholecystectomy	30	10.0	2.1	*	10.0	3.4	*	10.0	4.3	*
Hysterectomy	8	0.0	1.5	*	0.0	3.1	*	0.0	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,822	7.0	7.7	0.8	10.9	12.1	1.3	13.3	15.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	30	33.3	25.0	*	33.3	28.8	*	33.3	32.5	*
Congestive Heart Failure	101	11.9	15.5	4.1	19.8	23.3	4.8	20.8	29.8	6.6
Pneumonia/Influenza	72	19.4	19.7	4.8	27.8	26.3	5.3	34.7	31.5	6.9
Chronic Obstructive Pulmonary Disease	59	6.8	9.2	4.2	11.9	15.1	6.5	15.3	19.7	6.9
Transient Cerebral Ischemia	48	4.2	2.1	*	8.3	4.7	*	10.4	7.5	*
Stroke	56	23.2	18.9	7.7	28.6	24.9	9.8	28.6	29.3	10.2
Hip Fracture	26	11.5	8.4	*	11.5	14.9	*	15.4	19.1	*
Sepsis	14	14.3	20.9	*	14.3	28.1	*	14.3	33.6	*
PROCEDURES:										
Angioplasty	2	0.0	5.5	*	0.0	7.8	*	0.0	9.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	3.1	*	7.7	5.7	*	7.7	8.1	*
Carotid Endarterectomy	8	0.0	1.3	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	9	0.0	6.8	*	0.0	11.5	*	11.1	14.5	*
Open Reduction of Hip Fracture	18	5.6	7.7	*	5.6	14.5	*	11.1	19.1	*
Prostatectomy	62	0.0	1.2	1.6	1.6	2.8	2.5	3.2	4.7	3.8
Cholecystectomy	23	8.7	3.6	*	8.7	5.8	*	8.7	7.0	*
Hysterectomy	12	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WEIRTON OSTEOPATHIC HOSPITAL

3045 Penna Ave
Weirton, WV 26062

Medicare Provider Number: 510076

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	64	1.6	4.7	3.3	3.1	8.0	4.5	4.7	10.9	5.3
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	31.2	*	0.0	39.7	*	0.0	46.2	*
Congestive Heart Failure	0									
Pneumonia/Influenza	3	0.0	15.2	*	0.0	20.7	*	0.0	25.5	*
Chronic Obstructive Pulmonary Disease	2	0.0	6.3	*	0.0	12.6	*	0.0	18.3	*
Transient Cerebral Ischemia	0									
Stroke	1	0.0	15.5	*	0.0	20.5	*	0.0	24.7	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	1	0.0	0.4	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	16
Occupancy Rate	38
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	25
Percent of Physicians Board Certified Specialists	40
Medical Residents/Interns	0
Registered Nurses	7
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WEIRTON OSTEOPATHIC HOSPITAL

Medicare Provider Number: 510076

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	49	6.1	5.4	*	8.2	8.9	*	10.2	11.8	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	2	0.0	11.5	*	0.0	18.4	*	0.0	24.5	*
Pneumonia/Influenza	7	42.9	17.1	*	57.1	24.8	*	57.1	30.4	*
Chronic Obstructive Pulmonary Disease	1	0.0	9.6	*	0.0	14.3	*	0.0	18.7	*
Transient Cerebral Ischemia	0									
Stroke	1	0.0	12.8	*	0.0	16.9	*	0.0	20.6	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	84	3.6	6.0	4.1	9.5	9.9	3.5	13.1	13.3	4.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	5	20.0	14.4	*	40.0	23.5	*	40.0	31.1	*
Pneumonia/Influenza	16	0.0	11.2	*	6.3	15.6	*	6.3	19.7	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	2	0.0	1.5	*	0.0	3.4	*	0.0	5.2	*
Stroke	1	0.0	17.3	*	0.0	22.5	*	0.0	27.1	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	1.5	*	0.0	2.9	*	0.0	4.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WELCH EMERGENCY HOSPITAL

454 McDowell Street
Welch, WV 24801

Medicare Provider Number: 510086

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	227	15.9	11.1	4.5	18.1	15.2	3.5	21.1	18.7	3.3
CONDITIONS:										
Acute Myocardial Infarction	23	47.8	31.9	*	52.2	35.0	*	52.2	38.7	*
Congestive Heart Failure	16	6.3	11.6	*	6.3	18.6	*	18.8	24.7	*
Pneumonia/Influenza	23	26.1	17.5	*	30.4	23.2	*	30.4	27.9	*
Chronic Obstructive Pulmonary Disease	9	0.0	3.5	*	0.0	7.0	*	0.0	10.5	*
Transient Cerebral Ischemia	1	0.0	1.7	*	0.0	4.1	*	100.0	6.7	*
Stroke	5	20.0	21.1	*	20.0	27.1	*	20.0	31.6	*
Hip Fracture	0									
Sepsis	1	0.0	20.3	*	0.0	26.4	*	0.0	31.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	2	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	124
Occupancy Rate	44
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	20
Percent of Physicians Board Certified Specialists	55
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WELCH EMERGENCY HOSPITAL

Medicare Provider Number: 510086

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	312	12.5	9.9	2.1	20.8	14.5	2.6	23.4	18.4	2.9
CONDITIONS:										
Acute Myocardial Infarction	10	50.0	33.5	*	60.0	36.3	*	60.0	39.9	*
Congestive Heart Failure	23	21.7	12.7	*	39.1	19.4	*	39.1	25.2	*
Pneumonia/Influenza	28	32.1	18.3	*	35.7	24.8	*	42.9	29.8	*
Chronic Obstructive Pulmonary Disease	15	6.7	7.7	*	26.7	13.6	*	26.7	18.7	*
Transient Cerebral Ischemia	3	0.0	1.2	*	0.0	2.4	*	0.0	3.7	*
Stroke	6	50.0	25.7	*	66.7	31.5	*	66.7	36.3	*
Hip Fracture	0									
Sepsis	1	0.0	18.3	*	0.0	21.9	*	0.0	26.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	5.2	*	0.0	8.9	*	0.0	12.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	4	0.0	0.9	*	0.0	1.8	*	0.0	2.6	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	149	16.1	11.2	5.3	19.5	16.9	5.5	23.5	21.5	5.2
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	13.3	*	33.3	16.2	*	33.3	19.4	*
Congestive Heart Failure	12	33.3	15.0	*	50.0	22.6	*	50.0	28.8	*
Pneumonia/Influenza	7	28.6	23.0	*	42.9	30.2	*	42.9	35.2	*
Chronic Obstructive Pulmonary Disease	4	0.0	7.0	*	0.0	12.0	*	0.0	16.1	*
Transient Cerebral Ischemia	2	0.0	1.5	*	0.0	3.0	*	0.0	4.7	*
Stroke	6	16.7	18.1	*	16.7	23.2	*	16.7	27.4	*
Hip Fracture	0									
Sepsis	2	50.0	46.2	*	50.0	66.4	*	50.0	75.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WEST VIRGINIA UNIVERSITY HOSPITAL

Medical Center Drive
Morgantown, WV 26506

Medicare Provider Number: 510001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,929	9.4	9.5	0.8	15.4	14.5	1.2	18.8	18.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	45	26.7	29.9	*	37.8	33.1	*	40.0	36.6	*
Congestive Heart Failure	51	13.7	17.0	9.0	19.6	26.2	11.9	27.5	33.4	12.6
Pneumonia/Influenza	58	25.9	16.4	8.2	25.9	22.6	7.5	31.0	27.3	6.8
Chronic Obstructive Pulmonary Disease	16	12.5	8.8	*	18.8	14.6	*	31.3	19.9	*
Transient Cerebral Ischemia	21	4.8	1.7	*	9.5	3.7	*	14.3	5.7	*
Stroke	53	41.5	26.7	8.5	50.9	33.0	9.9	50.9	37.8	10.4
Hip Fracture	22	9.1	8.3	*	13.6	14.6	*	27.3	18.8	*
Sepsis	13	15.4	23.1	*	23.1	30.9	*	38.5	36.7	*
PROCEDURES:										
Angioplasty	16	0.0	4.1	*	0.0	4.9	*	0.0	5.7	*
Coronary Artery Bypass Graft	36	2.8	6.7	*	2.8	9.6	*	5.6	11.2	*
Initial Pacemaker Insertion	8	0.0	3.7	*	12.5	6.6	*	12.5	9.4	*
Carotid Endarterectomy	16	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	36	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*
Open Reduction of Hip Fracture	12	16.7	7.4	*	25.0	14.1	*	50.0	18.6	*
Prostatectomy	37	0.0	1.0	*	0.0	2.6	*	0.0	4.5	*
Cholecystectomy	17	11.8	7.6	*	23.5	12.4	*	23.5	15.1	*
Hysterectomy	13	0.0	6.2	*	0.0	7.5	*	0.0	8.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	308
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	188
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	190
Registered Nurses	453
Licensed Practical Nurses	51

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

WEST VIRGINIA UNIVERSITY HOSPITAL

Medicare Provider Number: 510001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,226	11.9	10.0	1.4	17.3	15.3	1.4	21.4	19.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	68	32.4	28.5	7.2	35.3	31.9	6.8	36.8	35.8	6.2
Congestive Heart Failure	76	22.4	19.8	5.2	39.5	30.2	6.1	47.4	38.0	7.0
Pneumonia/Influenza	57	15.8	17.3	6.6	19.3	22.9	8.9	24.6	27.3	9.0
Chronic Obstructive Pulmonary Disease	17	11.8	12.9	*	29.4	21.1	*	29.4	26.9	*
Transient Cerebral Ischemia	19	0.0	1.7	*	0.0	3.5	*	0.0	5.2	*
Stroke	70	31.4	25.5	6.8	35.7	30.8	7.3	38.6	35.1	6.5
Hip Fracture	30	10.0	8.5	*	16.7	15.1	*	23.3	19.2	*
Sepsis	15	26.7	23.7	*	33.3	32.0	*	40.0	38.2	*
PROCEDURES:										
Angioplasty	17	5.9	6.0	*	5.9	6.9	*	5.9	8.2	*
Coronary Artery Bypass Graft	57	21.1	7.2	6.7	21.1	10.1	5.7	24.6	11.8	6.3
Initial Pacemaker Insertion	6	0.0	2.1	*	0.0	4.2	*	0.0	6.2	*
Carotid Endarterectomy	10	10.0	1.9	*	10.0	3.4	*	10.0	4.9	*
Hip Replacement/Reconstruction	34	2.9	2.8	*	8.8	5.1	*	8.8	6.8	*
Open Reduction of Hip Fracture	12	8.3	7.6	*	8.3	14.3	*	25.0	18.8	*
Prostatectomy	48	0.0	1.6	*	2.1	3.7	*	6.3	5.8	*
Cholecystectomy	16	6.3	5.4	*	12.5	9.0	*	25.0	11.5	*
Hysterectomy	15	6.7	2.8	*	13.3	4.4	*	13.3	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,331	9.7	9.1	0.8	15.3	14.3	1.1	18.9	18.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	67	23.9	28.8	8.6	28.4	32.3	8.5	29.9	35.7	8.6
Congestive Heart Failure	79	19.0	19.2	4.4	31.6	29.1	7.6	39.2	36.8	6.4
Pneumonia/Influenza	40	32.5	18.5	*	40.0	25.1	*	40.0	30.2	*
Chronic Obstructive Pulmonary Disease	21	14.3	12.3	*	28.6	19.9	*	28.6	25.3	*
Transient Cerebral Ischemia	26	0.0	1.5	*	3.8	2.9	*	3.8	4.5	*
Stroke	46	23.9	20.2	*	26.1	26.4	*	30.4	30.9	*
Hip Fracture	31	3.2	8.6	*	6.5	15.1	*	16.1	19.4	*
Sepsis	19	36.8	25.2	*	42.1	33.8	*	57.9	40.1	*
PROCEDURES:										
Angioplasty	13	0.0	5.2	*	0.0	6.1	*	0.0	7.2	*
Coronary Artery Bypass Graft	45	2.2	5.8	*	2.2	7.8	*	2.2	9.0	*
Initial Pacemaker Insertion	4	0.0	9.3	*	0.0	12.4	*	0.0	15.1	*
Carotid Endarterectomy	20	5.0	1.9	*	5.0	3.8	*	10.0	5.6	*
Hip Replacement/Reconstruction	21	0.0	1.6	*	0.0	3.1	*	0.0	4.2	*
Open Reduction of Hip Fracture	12	0.0	7.3	*	0.0	13.3	*	8.3	17.0	*
Prostatectomy	42	2.4	1.0	*	2.4	2.5	*	4.8	4.3	*
Cholecystectomy	16	6.3	5.9	*	12.5	7.9	*	12.5	9.0	*
Hysterectomy	19	0.0	1.2	*	0.0	2.7	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

461.1

West Virginia University Hospitals

Hospital Administration

Ruby Memorial Hospital
West Virginia University Children's Hospital
Jon Michael Moore Trauma Center

January 15, 1991

Gail Wilensky, Ph.D.
Administrator
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD

Dear Dr. Wilensky:

As in previous years, West Virginia University Hospitals is pleased to comment to HCFA regarding our hospital specific mortality information. We support HCFA's effort to refine the mortality study. The survival model represents a significant improvement over the logistic regression model used last year. We wish to comment on our specialized services, and the categories of pneumonia/influenza and stroke, two categories within the model.

SPECIALIZED SERVICES

West Virginia University Hospitals is a tertiary referral cente providing specialized services to the state of West Virginia, southwestern Pennsylvania, northwestern Maryland, and eastern Ohio. We play a critical role in the region's health care delivery system for complex, highly sophisticated tertiary care backed up by numerous medical specialties and subspecialties.

Our specialized programs in kidney transplantation and renal dialysis, neurosurgery, neonatal intensive care, and high risk cardiac surgery are highly recognized, and our oncology program is part of a designated cancer center as recognized by the Commission on Cancer. The Jon Michael Moore Trauma Center is designated as the state's only Level I trauma program, and our Healthnet emergency air transport system provides specialized prehospital care to the critically ill or injured patient.

PNEUMONIA/INFLUENZA

With regard to pneumonia/influenza, a closer analysis revealed that the overall average age of this group was 72.6 years, and the average length of stay was 8.3 days. Of those patients who were shown as deceased within 180 days of discharge, 44% had cancer as a secondary diagnosis, 33% had congestive heart failure, and 17% had end stage renal disease. Of this same group 22% were transferred from a skilled nursing facility and 11% transferred from another acute care facility. The findings from record review are consistent with treatment of individuals with cancer and cardiac comorbidities in need of these types of services.

Medical Center Drive
Morgantown, WV 26506-8059

304-598-4117

Stroke

With regard to the stroke category, the average age of these patients was 75 years, and the average length of stay was 12.8 days. Of those patients who were shown as deceased within 180 days of discharge, 18.5% had experienced previous strokes, 41% had hypertension, and 15% had congestive heart failure, sepsis and/or pneumonia as secondary diagnoses. Of this same group, 55.5% were transferred to the care of West Virginia University Hospitals from another acute care hospital, and 7% were transferred from a skilled nursing facility.

Again, we wish to emphasize our role as a referral, cancer and trauma center.

Just as HCFA strives for refinement in the mortality model, West Virginia University Hospitals strives for continuous improvement in quality care. Our hospital-wide efforts and internal performance monitoring ensure quality care to those we serve.

Sincerely,

Bernard G. Westfall

Bernard G. Westfall
President

BGW/JR/ln

P.S. Attached please find the names of those individuals who were noted as deceased in your information but were in fact alive as recently as December, 1990.

WETZEL COUNTY HOSPITAL

P O Box 610 3 Benjamin Drive
New Martinsville, WV 26155

Medicare Provider Number: 510072

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	527	10.8	10.0	1.8	14.8	15.0	1.7	18.0	19.0	2.5
CONDITIONS:										
Acute Myocardial Infarction	14	35.7	23.6	*	42.9	26.2	*	42.9	29.2	*
Congestive Heart Failure	40	30.0	14.7	*	35.0	22.1	*	37.5	28.6	*
Pneumonia/Influenza	46	19.6	16.8	*	26.1	22.7	*	30.4	27.2	*
Chronic Obstructive Pulmonary Disease	10	0.0	5.8	*	0.0	10.4	*	10.0	14.3	*
Transient Cerebral Ischemia	14	7.1	2.1	*	7.1	4.6	*	7.1	7.3	*
Stroke	24	20.8	23.9	*	29.2	31.4	*	29.2	36.7	*
Hip Fracture	0									
Sepsis	6	16.7	21.0	*	16.7	28.3	*	16.7	33.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.9	*	0.0	3.6	*	0.0	5.2	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	12	0.0	0.8	*	0.0	1.9	*	8.3	3.1	*
Cholecystectomy	12	0.0	2.5	*	0.0	4.1	*	0.0	5.1	*
Hysterectomy	3	0.0	4.3	*	0.0	9.9	*	0.0	14.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	58
Occupancy Rate	48
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	15
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	40
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

WETZEL COUNTY HOSPITAL

Medicare Provider Number: 510072

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	545	10.5	9.9	2.0	15.2	14.8	1.9	19.1	18.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	18	44.4	34.0	*	44.4	36.8	*	50.0	40.0	*
Congestive Heart Failure	37	21.6	15.1	*	24.3	22.3	*	29.7	28.5	*
Pneumonia/Influenza	51	13.7	16.0	6.2	15.7	22.0	8.2	25.5	26.7	7.1
Chronic Obstructive Pulmonary Disease	9	22.2	8.6	*	22.2	14.7	*	33.3	19.7	*
Transient Cerebral Ischemia	17	0.0	2.7	*	5.9	6.5	*	11.8	10.6	*
Stroke	19	21.1	25.6	*	36.8	32.9	*	36.8	38.1	*
Hip Fracture	1	100.0	28.1	*	100.0	51.6	*	100.0	67.4	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	13.1	*	20.0	20.2	*	20.0	26.0	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	2.8	*	0.0	4.3	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	14	0.0	1.2	*	0.0	3.2	*	14.3	5.5	*
Cholecystectomy	16	0.0	3.5	*	0.0	5.8	*	0.0	7.2	*
Hysterectomy	2	0.0	1.2	*	0.0	2.9	*	0.0	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	588	12.2	10.4	2.0	16.5	15.6	2.3	20.7	19.6	2.9
CONDITIONS:										
Acute Myocardial Infarction	25	20.0	27.1	*	28.0	29.8	*	28.0	33.0	*
Congestive Heart Failure	45	17.8	16.2	*	22.2	24.3	*	31.1	31.2	*
Pneumonia/Influenza	36	25.0	17.4	*	30.6	23.3	*	38.9	28.3	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.0	*	0.0	12.3	*	16.7	18.2	*
Transient Cerebral Ischemia	17	5.9	2.2	*	5.9	4.7	*	5.9	7.4	*
Stroke	24	33.3	24.7	*	37.5	31.2	*	41.7	35.8	*
Hip Fracture	1	0.0	4.6	*	0.0	9.1	*	0.0	12.2	*
Sepsis	3	33.3	29.9	*	33.3	37.1	*	33.3	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.7	*	0.0	3.8	*	0.0	5.7	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	1	0.0	4.3	*	0.0	8.7	*	0.0	11.8	*
Open Reduction of Hip Fracture	0									
Prostatectomy	9	0.0	1.6	*	0.0	3.5	*	11.1	5.6	*
Cholecystectomy	11	0.0	1.5	*	0.0	2.7	*	0.0	3.6	*
Hysterectomy	6	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WHEELING HOSPITAL

Medical Park
Wheeling, WV 26003

Medicare Provider Number: 510050

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,085	7.5	8.3	0.7	11.6	12.7	0.9	14.5	16.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	89	22.5	27.5	7.9	25.8	30.9	8.0	29.2	34.5	8.7
Congestive Heart Failure	173	17.9	14.3	4.3	28.3	22.2	5.3	31.2	28.8	3.8
Pneumonia/Influenza	135	12.6	16.9	5.4	22.2	22.9	4.1	24.4	27.7	5.4
Chronic Obstructive Pulmonary Disease	62	4.8	8.4	4.0	8.1	14.7	6.1	11.3	20.1	7.9
Transient Cerebral Ischemia	58	0.0	1.7	2.2	0.0	3.6	3.9	3.4	5.7	4.6
Stroke	105	17.1	18.6	4.1	23.8	24.8	4.5	29.5	29.0	4.9
Hip Fracture	51	5.9	6.7	3.6	7.8	11.9	5.4	15.7	15.3	5.1
Sepsis	34	20.6	26.5	*	35.3	33.3	*	38.2	38.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	2.2	*	0.0	4.7	*	6.7	7.2	*
Carotid Endarterectomy	20	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	38	5.3	2.6	*	5.3	4.9	*	7.9	6.6	*
Open Reduction of Hip Fracture	27	0.0	5.7	*	3.7	10.7	*	11.1	14.0	*
Prostatectomy	105	1.0	0.8	1.0	2.9	2.1	1.6	2.9	3.5	1.8
Cholecystectomy	66	0.0	3.1	4.3	3.0	5.0	4.7	7.6	6.3	4.0
Hysterectomy	37	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	274
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	144
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	12
Registered Nurses	307
Licensed Practical Nurses	49

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

WHEELING HOSPITAL

Medicare Provider Number: 510050

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,969	8.3	9.5	0.8	14.0	14.4	1.2	17.0	18.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	83	24.1	28.0	5.2	26.5	31.0	5.9	26.5	34.5	6.2
Congestive Heart Failure	136	15.4	17.0	3.9	27.9	25.7	4.4	33.1	32.7	4.6
Pneumonia/Influenza	126	15.1	18.6	5.0	24.6	25.4	3.9	30.2	30.5	4.1
Chronic Obstructive Pulmonary Disease	60	13.3	8.4	4.8	23.3	14.3	7.6	28.3	19.2	9.7
Transient Cerebral Ischemia	57	1.8	1.9	1.9	3.5	4.1	2.8	5.3	6.5	3.8
Stroke	123	13.8	20.9	6.2	22.8	27.7	7.2	28.5	32.4	5.5
Hip Fracture	62	4.8	6.8	3.7	11.3	12.3	4.8	12.9	15.6	5.9
Sepsis	40	17.5	28.3	*	27.5	36.5	*	32.5	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	5.5	*	9.1	9.1	*	13.6	12.1	*
Carotid Endarterectomy	22	4.5	1.4	*	4.5	2.6	*	4.5	3.8	*
Hip Replacement/Reconstruction	44	2.3	3.8	*	4.5	7.5	*	6.8	10.1	*
Open Reduction of Hip Fracture	31	3.2	6.1	*	6.5	11.4	*	9.7	14.7	*
Prostatectomy	76	0.0	1.0	*	0.0	2.2	*	0.0	3.4	*
Cholecystectomy	43	2.3	4.7	*	7.0	7.8	*	9.3	9.7	*
Hysterectomy	36	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,838	8.8	9.6	0.9	14.2	14.4	1.0	17.9	18.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	86	43.0	32.5	7.5	45.3	35.6	7.9	50.0	39.4	8.0
Congestive Heart Failure	151	10.6	16.8	4.6	23.8	25.2	4.0	31.1	32.1	3.8
Pneumonia/Influenza	102	20.6	17.8	4.6	29.4	24.0	8.6	33.3	28.9	7.8
Chronic Obstructive Pulmonary Disease	42	9.5	9.7	*	16.7	16.1	*	33.3	21.0	*
Transient Cerebral Ischemia	56	1.8	1.7	2.0	1.8	3.8	3.5	3.6	6.1	5.0
Stroke	116	17.2	22.3	4.7	25.9	28.8	6.1	29.3	33.5	5.0
Hip Fracture	57	5.3	6.0	3.3	8.8	10.8	4.4	10.5	14.0	6.3
Sepsis	32	9.4	34.6	*	18.8	42.6	*	31.3	49.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	3.6	*	4.0	6.7	*	4.0	9.6	*
Carotid Endarterectomy	10	10.0	1.4	*	10.0	2.5	*	10.0	3.5	*
Hip Replacement/Reconstruction	44	2.3	3.1	*	4.5	5.9	*	4.5	7.9	*
Open Reduction of Hip Fracture	32	6.3	5.7	*	9.4	10.9	*	12.5	14.4	*
Prostatectomy	76	0.0	1.4	2.2	3.9	3.3	2.5	7.9	5.3	3.7
Cholecystectomy	57	0.0	2.9	3.0	3.5	4.8	3.0	7.0	6.0	3.3
Hysterectomy	36	0.0	1.9	*	0.0	3.0	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WILLIAMSON MEMORIAL HOSPITAL

College Hill
Williamson, WV 25661

Medicare Provider Number: 510077

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	475	9.1	9.3	1.4	12.8	13.9	2.0	16.4	17.5	2.5
CONDITIONS:										
Acute Myocardial Infarction	13	53.8	28.4	*	53.8	32.1	*	61.5	35.5	*
Congestive Heart Failure	21	4.8	14.8	*	14.3	23.6	*	19.0	30.9	*
Pneumonia/Influenza	12	8.3	15.7	*	8.3	20.9	*	8.3	25.1	*
Chronic Obstructive Pulmonary Disease	10	20.0	8.4	*	20.0	15.5	*	20.0	22.0	*
Transient Cerebral Ischemia	19	0.0	2.2	*	10.5	5.0	*	15.8	8.0	*
Stroke	13	7.7	17.2	*	15.4	24.6	*	38.5	29.3	*
Hip Fracture	11	0.0	7.1	*	0.0	12.1	*	0.0	15.2	*
Sepsis	11	9.1	19.1	*	18.2	25.6	*	36.4	30.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	4.0	*	0.0	10.2	*	100.0	16.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	5.5	*	0.0	10.9	*	0.0	14.7	*
Open Reduction of Hip Fracture	7	0.0	7.2	*	0.0	12.9	*	0.0	16.3	*
Prostatectomy	2	0.0	1.2	*	0.0	3.1	*	0.0	5.2	*
Cholecystectomy	9	0.0	3.5	*	0.0	6.5	*	11.1	8.8	*
Hysterectomy	5	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	76
Occupancy Rate	47
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	42
Percent of Physicians Board Certified Specialists	26
Medical Residents/Interns	0
Registered Nurses	32
Licensed Practical Nurses	24

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WILLIAMSON MEMORIAL HOSPITAL

Medicare Provider Number: 510077

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	441	8.8	8.6	1.4	12.7	13.1	1.7	15.4	16.8	2.2
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	28.4	*	25.0	32.4	*	25.0	36.2	*
Congestive Heart Failure	27	14.8	16.4	*	33.3	25.7	*	33.3	33.2	*
Pneumonia/Influenza	9	11.1	13.8	*	33.3	18.6	*	44.4	22.8	*
Chronic Obstructive Pulmonary Disease	3	0.0	5.9	*	0.0	11.0	*	0.0	15.7	*
Transient Cerebral Ischemia	11	0.0	1.6	*	0.0	3.6	*	9.1	5.6	*
Stroke	17	17.6	17.0	*	29.4	24.1	*	41.2	28.7	*
Hip Fracture	8	0.0	7.7	*	0.0	13.7	*	0.0	17.4	*
Sepsis	3	0.0	20.2	*	0.0	28.4	*	0.0	34.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	4.4	*	0.0	6.9	*	0.0	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	6.8	*	0.0	12.3	*	0.0	15.4	*
Open Reduction of Hip Fracture	5	0.0	5.7	*	0.0	10.6	*	0.0	13.8	*
Prostatectomy	6	0.0	1.6	*	16.7	3.7	*	33.3	5.8	*
Cholecystectomy	4	0.0	3.3	*	0.0	5.2	*	0.0	6.0	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	337	9.5	8.7	2.0	14.2	13.0	2.2	16.0	16.7	2.4
CONDITIONS:										
Acute Myocardial Infarction	15	60.0	28.5	*	60.0	31.8	*	60.0	35.3	*
Congestive Heart Failure	17	5.9	13.8	*	17.6	21.3	*	17.6	27.8	*
Pneumonia/Influenza	15	33.3	17.9	*	40.0	24.6	*	40.0	29.8	*
Chronic Obstructive Pulmonary Disease	10	20.0	12.0	*	30.0	21.7	*	30.0	30.1	*
Transient Cerebral Ischemia	6	0.0	1.8	*	0.0	3.8	*	0.0	5.9	*
Stroke	8	25.0	30.9	*	37.5	36.5	*	50.0	40.6	*
Hip Fracture	7	14.3	8.0	*	14.3	13.9	*	14.3	17.5	*
Sepsis	6	33.3	28.8	*	66.7	36.6	*	66.7	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	4.1	*	33.3	7.4	*	33.3	9.5	*
Open Reduction of Hip Fracture	5	0.0	7.6	*	0.0	13.9	*	0.0	17.9	*
Prostatectomy	2	0.0	3.8	*	0.0	7.5	*	0.0	11.0	*
Cholecystectomy	3	0.0	2.5	*	0.0	3.8	*	0.0	4.6	*
Hysterectomy	1	0.0	0.2	*	0.0	0.2	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Technical Appendix

TECHNICAL APPENDIX

Data Sources

The data analyzed in this report are obtained from the MEDPAR file, which contains summary information on the hospitalizations of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex and date of death, which are obtained from the Social Security Administration or the Railroad Retirement Board.

Hospitalizations with discharges in fiscal years 1987, 1988 and 1989 were used in these analyses. Hospitalizations in 1986 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute-care hospitalizations in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospitalizations in special cost centers, designated by a "9" in the fourth position of the provider number, and hospitalizations in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units, with "special unit codes" of S, T, U and V, respectively, in the third position were excluded.

The Mortality Model

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospitalizations were then segregated by analytical category and analyzed separately. The analytic categories were created by grouping ICD-9-CM diagnosis codes that had similar raw mortality rates and clinical definitions. The groupings fall into five risk levels: low, average, moderately severe, very severe and catastrophic. Within these risk levels, codes are further grouped based on clinical similarities. The analytic categories and the groups of ICD-9-CM diagnosis codes that defined them are listed in Table A-1.

The mortality experience of the patients was evaluated as a function of time within 182 days of the admission. The factors included in the mortality model used to evaluate the patients' probability of death are given in Table A-2. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the six months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure", Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

Analytic Techniques

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for “right censored” observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, “right censoring” occurs when a patient is withdrawn alive from the study at the end of the followup period of 182 days.

The survival function, S(t), is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function,

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function, also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is:

$$h(t) = -\frac{1}{S(t)}\frac{dS(t)}{dt} = -\frac{d\ln(S(t))}{dt}.$$

The probability density function commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t. In some cases the area under the survival curve is restricted to an interval $0\text{-}t_1$ where t_1 might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is:

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \ldots + \alpha_i x_i + \ldots + \alpha_k x_k)$$
$$\gamma = \exp(\gamma_0 + \gamma_1 g_1 + \ldots + \gamma_i x_i + \ldots + \gamma_k x_k)$$
$$\delta = \exp(\delta_0 + \delta_1 x_1 + \ldots + \delta_i x_i + \ldots + \delta_k x_k)$$

are the expressions for each of the structural parameters α, γ, and δ in terms of the k concomitant variables x_i and their associated component parameters α_i, γ_i, and δ_i for $i=1,2,\ldots,k$ and three intercepts or component parameters α_0, γ_0, and δ_0. The structural parameter δ is the long-term risk which is approached as $t \rightarrow \infty$. The structural parameter is the initial excess risk which decays with rate constant γ.

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk, δ. The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta .$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ($p<0.05$) influences of the probability of death were identified for inclusion in the model. As the model for each of the 17 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 1,000 cases or a statistically significant effect at the $p<0.01$ level when the number of cases was less than 1,000. Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients α_i, γ_i, and δ_i have been estimated, the predicted probability of patient death at any specified time after admission, 1-S(t), may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytic categories are useful for grouping the patients into relatively risk homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

Estimation of the Standard Deviation for Predicted Mortality

The standard deviation of the predicted mortality rate is used to assess how meaningfully different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed, P, and predicted, $\hat{\Theta}$, mortality rates.

The residual has four components V_1, V_2, V_3, and V_4 where V_1 is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included the present analysis.

V_2 is the binomial variance for n patients.

$$V_2 = \frac{\hat{\Theta}\left(1 - \hat{\Theta}\right)}{n} .$$

V_3 is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\mathrm{Var}(\Theta)} = \left(1 - \frac{1}{n}\right) \widehat{M_2(\Theta)}$$

where

$$\widehat{M_2(\Theta)} = \left\{ \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{pmatrix} - \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{pmatrix} \right\}^2 \left(\frac{1}{z_p^2}\right)$$

The quantity z_p corresponds to the statistical significance (p-value) of the hospital specific effect.

V4 is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ \left(\text{Observed mortality}\right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2 .$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just:

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

Measures of Uncertainty

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table A-3 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels ranging from 75 percent to 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table A-3 exceeds the precision of the estimate of the standard deviation. Hence, the rule-of-thumb given at the front of this Appendix represents an adequate approximation to the factors in Table A-3 and an adequate guide to the meaningfulness of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table A-3, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent, if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent, if the actual is less than the predicted. That is because 22.9 percent = 13.0 percent + 1.98 x 5.0 percent, the factor 1.98 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Upper Bound", the row "75" for the number of cases, and by interpolation between the "10%" and the "20%" predicted mortality rate columns. Similarly, 3.3 percent = 13.0 percent - 1.94 x 5.0 percent, the factor -1.94 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

On the other hand, 75 percent of the time, the observed mortality rate will lie either between 13 percent and 18.8 percent (13.0 percent + 1.15 x 5.0 percent) if the observed rate is higher than the predicted, or between 7.3 percent (13.0 percent - 1.15 x 5.0 percent) and 13.0 percent if it is lower.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. In turn, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

Table A-1

ANALYTICAL DIAGNOSTIC CATEGORIES

CATEGORY	ICD-9-CM CODES
1. Low risk cardiopulmonary and circulatory disorders	390, 393, 401, 402.00, 402.10, 402.90, 405, 411 (except 411.0), 413-414, 417-420, 422, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433 (except 433.0), 435, 437.2, 442 (except 442.2), 447 (except 447.2), 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0, 460-478, 487 (except 487.0), 490-491, 493-495, 511.0, 518.2, 519.0-519.1
2. Low risk injuries and poisonings	800.0, 800.5, 801.0, 801.5, 802, 805 (except 805.0), 806 (except 806.0), 807 (except 807.0 and 807.4), 807.00-807.06, 808-819, 822-838, 839 (except 839.0), 840-848, 850, 854.0 (except 854.05), 861.2, 862, 867 (except 867.0 and 867.2), 870-874, 875.0, 876-887, 890-897, 905-932, 933.0, 935-940, 942 (except 942.3), 943-945, 947, 949-957, 958 (except 958.4), 959-963, 965.1, 965.5-965.7, 965.9, 966, 969-971, 972 (except 972.1), 973, 974 (except 974.1), 975 (except 975.7), 977-981, 984-986, 988, 992-993, 994 (except 994.1 and 994.7), 995, 996.0 (except 996.02), 996.2, 996.4-996.5, 996.7-996.9, 997.9, 998 (except 998.2)
3. Low risk gastrointestinal and endocrine disorders	240-246, 250.0, 250.5-250.6, 250.8, 250.9, 252, 254, 255 (except 255.4), 256-258, 264-272, 274, 276.3, 276.8, 279 (except 279.1), 520-527, 528.2, 528.4, 528.6-528.9, 529, 530 (except 530.4 and 530.8), 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.8-537.9 (except 537.89), 540-543, 550, 552-556, 558 (except 558.2), 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574 (only when 5th digit = 0), 575 (except 575.4 and 575.8), 576.0, 576.9, 577.1, 577.9, 579

Table A-1: Analytic Diagnostic Categories

4. Low risk genitourinary and reproductive disorders	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596 (except 596.1 and 596.6), 597-598, 599 (except 599.0 and 599.6), 600-606, 607 (except 607.2), 608 (except 608.4), 610-618, 619 (except 619.1), 620-629, 630-648, 650-676
5. Low risk neuropsychiatric, sensory and musculoskeletal disorders	290-292, 293 (except 293.0), 294-309, 311-319, 330, 331 (except 331.0), 332-334, 337, 340, 342-343, 344 (except 344.0 and 344.1), 345 (except 345.3), 346-347, 348.0, 350-358, 360-389, 680-686, 690-698, 700-706, 707 (except 707.0), 708-709, 710 (except 710.1), 711-713, 714 (except 714.81), 715-739
6. Other low risk disorders	E-CODE, M-CODE, V01-V09, V11-V65 (except V58.0 and V58.8), V67-V82, 001-005, 007-009, 014-017, 020-026, 027 (except 027.0), 030, 032-033, 035, 037, 039, 041.0-041.2, 045, 049.8-049.9, 050-053, 055-057, 071-088, 090-111, 120-135, 137-139, 140, 143, 173-175, 180.0-180.1, 182, 188 (except 188.8 and 188.9), 190, 192 (except 192.2), 210-211, 212 (except 212.7), 213-224, 226-230, 231 (except 231.2), 232-236, 239.4-239.5, 239.9, 280 (except 280.0), 282, 740-744, 746-759, 780 (except 780.0), 781, 782.0-782.2, 782.6, 782.8-782.9, 783.1, 783.5-783.9, 784 (except 784.3 and 784.5), 785 (except 785.4 and 785.5), 786.2, 786.4-786.5, 786.7-786.9, 787 (except 787.2), 788.0-788.1, 788.3-788.4, 788.6-788.7, 789 (except 789.5), 790 (except 790.6 and 790.7), 793-796
7. Average risk disorders	V10, V58.0, V58.8, 006, 010 -013, 031, 034, 041.3-041.9, 070.1, 070.3, 070.5, 070.9, 114-115, 136 (except 136.3), 142, 144-146, 152-154, 160-161, 162.0, 165, 170, 171.0, 171.2-171.4, 171.6-171.7, 172 (except 172.8), 180.8, 181, 184-187, 188.8-188.9, 189 (except 189.0), 193-194, 196.0, 196.3, 196.5-196.6, 196.9, 197.3, 198.2, 225,

Table A-1: Analytic Diagnostic Categories

7. Average risk disorders (continued)	238, 239.0-239.3, 239.7-239.8, 250.1, 250.4, 250.7, 251, 253, 255.4, 259, 275 (except 275.4), 276.1, 276.6-276.7, 276.9, 277 (except 277.3), 278, 280.0, 281, 283, 285, 286 (except 286.6), 287-289, 293.0, 310, 322-326, 331.0, 336, 344.0-344.1, 345.3, 349, 359, 391-392, 394-396, 398 (except 398.91), 402.01, 402.11, 402.91, 403-404, 410.7, 411.0, 412, 423.8-423.9, 424, 425.5, 425.7-425.9, 426.0, 426.9, 427.1, 429.0-429.3, 437 (except 437.2), 438, 440, 441.4, 441.9, 443, 444 (except 444.1), 446, 456.1, 456.21, 456.8, 457.2, 457.8, 459 (except 459.0 and 459.2), 480, 482.2, 483-484, 487.0, 492, 496, 506, 508 (except 508.0), 518.3, 518.8, 519.4, 519.8-519.9, 528.0-528.1, 528.3, 528.5, 531.0, 531.4, 532.0, 532.4, 533.0, 533.4, 534.0, 534.4, 537.0, 537.3-537.4, 537.89, 557 (except 557.0), 560.1, 560.3, 560.80-560.81, 560.9, 569.3, 569.8 (except 569.83), 571.0-571.1, 571.3-571.4, 572.0-572.1, 573, 574 (only when 5th digit = 1), 575.4, 575.8, 576.1-576.5, 577.0, 577.2, 577.8, 578 (except 578.0), 580-581, 587, 590.0, 590.2- 590.3, 591, 593, 596.1, 596.6, 599.0, 599.6, 607.2, 608.4, 619.1, 714.81, 745, 782.3, 783.0, 783.2, 784.3, 784.5, 786.0-786.1, 786.3, 786.6, 787.2, 788.2, 788.5, 788.8-788.9, 790.6-790.7, 791-792, 798, 799.8-799.9, 803.0, 803.5, 805.0, 807.07-807.09, 820-821, 839.0, 860, 863, 865-866, 867.0, 867.2, 900, 903-904, 934.0-934.1, 941, 942.3, 946.0-946.2, 948.0-948.3, 964, 965.0, 965.4, 965.8, 967-968, 972.1, 974.1, 975.7, 976, 982-983, 987, 989, 996.1, 996.3, 996.6, 997 (except 997.9), 998.2, 999
8. Moderately severe cardiopulmonary and circulatory disorders	398.91, 415-416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 432.1, 434, 436, 441.2, 442.2, 452, 453.0, 453.2-453.3, 458 (except 458.0), 459.0, 459.2, 481, 482.3, 482.9, 485-486, 500-505, 510.9, 511 (except 511.0), 512.8, 513-515, 517, 518.0-518.1, 518.4, 519.2-519.3
9. Moderately severe gastrointestinal and endocrine disorders	273, 276.5, 277.3, 530.4, 530.8, 551, 558.2, 560.0, 560.2, 560.89, 567, 572.3, 578.0

Table A-1: Analytic Diagnostic Categories

10. Moderately severe neoplastic diseases	141, 147-149, 158, 162.3-162.5, 179, 180.9, 183, 189.0, 191, 192.2, 198.1, 198.6-198.7, 198.82, 200-202, 207 (except 207.0), 212.7, 237, 239.6
11. Other moderately severe disorders	V66, 038.42, 040, 047-048, 049.0-049.1, 054, 060-066, 284, 335, 341, 348.3-348.4, 348.8-348.9, 585, 707.0, 710.1, 782.4-782.5, 782.7, 783.4, 785.4, 789.5, 797, 799.0, 799.2-799.4, 804, 806.0, 807.4, 851.0, 851.2, 851.4, 851.6, 851.8, 852.0, (except 852.05), 852.1 (except 852.15), 852.2 (except 852.25), 852.4-852.5, 853.0 (except 853.05), 853.1 (except 853.15), 861 (except 861.2), 864.0 (except 864.04), 864.1 (except 864.14), 933.1, 990, 996.02
12. Very severe cardiopulmonary and circulatory disorders	397, 410 (except 410.7), 421, 423.0-423.2, 433.0, 447.2, 456.0, 456.20, 482.0-482.1, 482.4, 482.8, 507, 508.0, 510.0, 512.0, 516, 518.5
13. Very severe gastrointestinal and endocrine disorders	250.2-250.3, 260-263, 275.4, 276.0, 276.2, 276.4, 279.1, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 569.83, 571.2, 571.5-571.6, 572.2, 576.8
14. Very severe infectious disorders	018, 027.0, 036, 038 (except 038.42), 042-044, 046, 112, 116-118, 136.3
15. Very severe neoplastic diseases	150-151, 156-157, 159, 162.2, 162.8-162.9, 163-164, 171.5, 171.8-171.9, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.6, 197.8, 198.0, 198.3-198.5, 198.81, 198.89, 203, 204 (except 204.0), 205 (except 205.0), 207.0, 208 (except 208.0), 231.2
16. Other very severe disorders	320-321, 348.2, 348.5, 584, 586, 760-779, 780.0, 783.3, 799.1, 800 (except 800.0 and 800.5), 801 (except 801.0 and 801.5), 854.05, 854.1, 868-869, 875.1, 934.8-934.9, 946.3-946.5, 958.4, 991, 994.1, 994.7

Table A-1: Analytic Diagnostic Categories

17. Catastrophic disorders	070.0, 070.2, 070.4, 070.6, 155, 172.8, 197.7, 199, 204.0, 205.0, 206, 208.0, 286.6, 348.1, 427.4-427.5, 430-431, 432 (except viral 432.1), 441.0-441.1, 441.3, 441.5, 444.1, 557.0, 570, 572.4, 572.8, 785.5, 803 (except 803.0 and 803.5), 851.1, 851.3, 851.5, 851.7, 851.9, 852.05, 852.15, 852.25, 852.3, 853.05, 853.15, 864.04, 864.14, 901-902, 948.4-948.9

Table A-2

EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

DEMOGRAPHICS

$$\text{AGESP} = \text{sign}\,(\text{W-65})\left(\frac{|\text{W-65}|}{65}\right)^{1.72}$$

where

$$\text{W} = \left\{ \begin{array}{c} 23 \text{ if AGE} \leq 23 \\ \text{AGE if } 23 < \text{AGE} < 100 \\ 100 \text{ if } 100 \leq \text{AGE} \end{array} \right\}$$

SX	An indicator variable: = 1 if Female and 0 otherwise.

COMORBIDITIES (Indicator variables = 1 if comorbidity present and 0 otherwise)

		ICD-9-CM Codes
CCA	Cancer	141-160.9, 162-172.9, 174-208.9)
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1)
CLV	Chronic liver disease	571-572.8)
CRN	Chronic renal disease	582-583.9, 585-587)

ADMISSION SOURCES AND TYPES (Indicator variables = 1 if source or type present and 0 otherwise)

PHRF	Patient referred by personal or HMO physician.
TRSNF	Patient transferred from skilled nursing facility.
ELCT	Patient admitted for elective procedure.
EMRG	Patient admitted for emergency.

PREVIOUS HOSPITALIZATIONS

PALR	Number at low risk, with 5 or more set to 5.
PAAR	Number at average risk, with 3 or more set to 3.
PAMSR	Number at moderately severe risk, with 3 or more set to 3.
PAVSR	Number at very severe risk, with 2 or more set to 2.
PACR	Number at catastrophic risk, with 1or more set to 1.

TABLE A-3: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS

(n is the number of cases at your hospital and p is the predicted mortality rate.)

	99% Prediction Interval					95% Prediction Interval					75% Prediction Interval				
	Factor for Upper Bound					Factor for Upper Bound					Factor for Upper Bound				
p n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
25	2.95	2.73	2.68	2.63	2.59	2.15	2.04	2.01	1.99	1.97	1.17	1.16	1.16	1.15	1.15
50	2.76	2.65	2.63	2.60	2.58	2.05	2.00	1.99	1.97	1.96	1.16	1.15	1.15	1.15	1.15
75	2.70	2.63	2.61	2.59	2.58	2.02	1.99	1.98	1.97	1.96	1.16	1.15	1.15	1.15	1.15
100	2.67	2.61	2.60	2.59	2.58	2.01	1.98	1.97	1.97	1.96	1.16	1.15	1.15	1.15	1.15
150	2.64	2.60	2.59	2.59	2.58	1.99	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
200	2.62	2.60	2.59	2.58	2.58	1.98	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
300	2.61	2.59	2.58	2.58	2.58	1.98	1.97	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
400	2.60	2.59	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
500	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
750	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
1000	2.59	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
2000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
5000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15

	Factor for Lower Bound					Factor for Lower Bound					Factor for Lower Bound				
p n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
25	-2.21	-2.42	-2.48	-2.52	-2.56	-1.77	-1.88	-1.91	-1.93	-1.95	-1.13	-1.14	-1.14	-1.15	-1.15
50	-2.39	-2.50	-2.53	-2.55	-2.57	-1.87	-1.92	-1.93	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
75	-2.45	-2.52	-2.54	-2.56	-2.57	-1.90	-1.93	-1.94	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
100	-2.48	-2.54	-2.55	-2.56	-2.57	-1.91	-1.94	-1.95	-1.95	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
150	-2.51	-2.55	-2.56	-2.57	-2.57	-1.93	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
200	-2.53	-2.56	-2.56	-2.57	-2.57	-1.94	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
300	-2.54	-2.56	-2.57	-2.57	-2.57	-1.94	-1.95	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
400	-2.55	-2.57	-2.57	-2.57	-2.57	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
500	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
750	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
1000	-2.57	-2.57	-2.57	-2.57	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
2000	-2.57	-2.57	-2.57	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
5000	-2.57	-2.58	-2.58	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15

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